

The Making Of Microsoft How Bill Gates And His Team Created The Worlds Most Successful Software Company

Gates reveals the guiding genius behind the unparalleled success of the Microsoft Corporation-- the biggest and most profitable personal computer software company in history-- and exposes the intensely competitive tactics that help it dominate the desktops of America. Chairman and co-founder of Microsoft, Bill Gates is the most powerful person in the computer industry and the youngest self-made billionaire in history. His company's DOS and Windows programs are such universal standards that more than nine out of ten personal computers depend on Microsoft software. Under the "Microsoft Everywhere" rallying cry, Gates intends to expand his company's worldwide dominance to office equipment, communications, and home entertainment. Vivid and definitive, Gates details the behind the scenes history of the personal computer industry and its movers and shakers, from Apple to IBM, from Steve Jobs to Ross Perot. Uncovering the inside stories of the bitter battle for control of the expanding personal computing market, Gates is a bracing, comprehensive portrait of the industry, the company, and the man-- and what they mean for a future where software is everything.

A guide to Microsoft's Internet, intranet, and Windows 95 system browser profiles its many new features and add-ons and provides an Internet road map for all Windows platforms and the Macintosh. Original. (All Users).

A collection of jokes, top lists, poems, puns, news parodies and other humorous items about Microsoft, Bill Gates, their products and their company culture. The book uses contemporary events and celebrities to make the material come alive for the reader. Timely and irreverent, the book can be enjoyed by both computer experts and non-experts alike.

The authors reveal Microsoft's product development, marketing, and organizational strategies

What's it like to start a revolution? How do you build the biggest tech company in the world? And why do you walk away from it all? Paul Allen co-founded Microsoft. Together he and Bill Gates turned an idea writing software into a company and then an entire industry. This is the story of how it came about: two young mavericks who turned technology on its head; the bitter battles as each tried to stamp his vision on the future; and, the ruthless brilliance and fierce commitment. And finally, Allen's extraordinary step in walking away from it all to discover what it is you do after you've already changed the world.

New research shows that today, more than ever, employees want to contribute to something greater than themselves. Learn the innovative strategies Microsoft pioneered that created a virtuous cycle of giving and volunteerism that has benefitted the company and fulfilled its employees while making the world a better place. Early on in the Microsoft story, Bill Gates and other key executives met to decide how they would incentivize employees to make a charitable impact. The status quo at that time was to offer some small percentage of your paycheck as a pretax deduction to a charity selected by your company. Microsoft decided to do something revolutionary instead. The Purpose Mindset tells the inside story behind how Microsoft built its culture of giving, including powerful stories from Microsoft alumni who were in the room when these decisions were made or who went on to make powerful change in the world, emboldened by their time at Microsoft. The Purpose Mindset also tells the story of how this culture of giving that has been so successful at Microsoft in regard to job satisfaction, recruiting, and employee retention can be duplicated in your own work life, whether you are a business leader or you are seeking employment at a company that contributes to something greater than themselves. Throughout these pages, charitably-engaged alumni such as author Akhtar Badshah, the head of Microsoft's Philanthropy program from 2004-2014, take readers through the first-of-its-kind decisions that have empowered and incentivized employees: Hear the first-hand accounts from interviews with Microsoft executives such as Jeff and Tricia Raikes, Patrick Awuah, Paul Maritz, and many others. Learn how Microsoft's early decision to encourage employees to support causes personal to them was a key impetus to multiplying the impact. Get insider accounts on the key decisions Microsoft has made along its journey to make individual philanthropy a core element of their culture. See how its culture of giving is one of the key elements to Microsoft's success in attracting and retaining top talent.

In the race to compete in today's fast-moving markets, large enterprises are busy adopting new technologies for creating new products, processes, and business models. But one obstacle on the road to digital transformation is placing too much emphasis on technology, and not enough on the types of processes technology enables. What if different lines of business could build their own services and applications—and decision-making was distributed rather than centralized? This report explores the concept of a digital business platform as a way of empowering individual business sectors to act on data in real time. Much innovation in a digital enterprise will increasingly happen at the edge, whether it involves business users (from marketers to data scientists) or IoT devices. To facilitate the process, your core IT team can provide these sectors with the digital tools they need to innovate quickly. This report explores: Key cultural and organizational changes for developing business capabilities through cross-functional product teams A platform for integrating applications, data sources, business partners, clients, mobile apps, social networks, and IoT devices Creating internal API programs for building innovative edge services in low-code or no-code environments Tools including Integration Platform as a Service, Application Platform as a Service, and Integration Software as a Service The challenge of integrating microservices and serverless architectures Event-driven architectures for processing and reacting to events in real time You'll also learn about a complete pervasive integration solution as a core component of a digital business platform to serve every audience in your organization.

"AI will enable breakthrough advances in areas like healthcare, agriculture, education and transportation. It's already happening in impressive ways. But as we've witnessed over the past 20 years, new technology also inevitably raises complex questions and broad societal concerns." - Brad Smith and Harry Shum on The Future Computed. "As we look to a future powered by a partnership between computers and humans, it's important that we address these challenges head on. How do we ensure that AI is designed and used responsibly? How do we establish

ethical principles to protect people? How should we govern its use? And how will AI impact employment and jobs?" - Brad Smith and Harry Shum on *The Future Computed*. As Artificial Intelligence shows up in every aspect of our lives, Microsoft's top minds provide a guide discussing how we should prepare for the future. Whether you're a government leader crafting new laws, an entrepreneur looking to incorporate AI into your business, or a parent contemplating the future of education, this book explains the trends driving the AI revolution, identifies the complex ethics and workforce issues we all need to think about and suggests a path forward. Read more: *The Future Computed: Artificial Intelligence and its role in society* provides Microsoft's perspective on where AI technology is going and the new societal issues it is raising - ensuring AI is designed and used responsibly, establishing ethical principles to protect people, and how AI will impact employment and jobs. The principles of fairness, reliability and safety, privacy and security, inclusiveness, transparency and accountability are critical to addressing the societal impacts of AI and building trust as AI becomes more and more a part of the products and services that people use at work and at home every day. A central theme in *The Future Computed* is that for AI to deliver on its potential drive widespread economic and social progress, the technology needs to be human-centered - combining the capabilities of computers with human capabilities to enable people to achieve more. But a human-centered approach can only be realized if researchers, policymakers, and leaders from government, business and civil society come together to develop a shared ethical framework for AI. This in turn will help foster responsible development of AI systems that will engender trust. Because in an increasingly AI-driven world the question is not what computers can do, it is what computers should do. *The Future Computed* also draws a few conclusions as we chart our path forward. First, the companies and countries that will fare best in the AI era will be those that embrace these changes rapidly and effectively. Second, while AI will help solve big societal problems, we must look to this future with a critical eye as there will be challenges as well as opportunities. Third, we need to act with a sense of shared responsibility because AI won't be created by the tech sector alone. Finally, skilling-up for an AI-powered world involves more than science, technology, engineering and math. As computers behave more like humans, the social sciences and humanities will become grow in importance.

Is this new Microsoft venture just another experiment that, like WebTV, was launched to much fanfare but will be quickly forgotten? Or will it become the next Windows, finding its way into the homes and lives of millions of people around the world?"

Chronicles the career of "Chairman Bill" Gates, the computer whiz kid who commands the powerful Microsoft computer software empire.

The New York Times bestseller, now updated with new material on cyber attacks, digital sovereignty, and tech in a pandemic. From Microsoft's president and one of the tech industry's broadest thinkers, a frank and thoughtful reckoning with how to balance enormous promise and existential risk as the digitization of everything accelerates. "A colorful and insightful insiders' view of how technology is both empowering and threatening us. From privacy to cyberattacks, this timely book is a useful guide for how to navigate the digital future."

—Walter Isaacson Microsoft president Brad Smith operates by a simple core belief: When your technology changes the world, you bear a responsibility to help address the world you have helped create. In *Tools and Weapons*, Brad Smith and Carol Ann Browne bring us a captivating narrative from the top of Microsoft, as the company flies in the face of a tech sector long obsessed with disruption as an end in itself, and in doing so navigates some of the thorniest issues of our time—from privacy to cyberwar to the challenges for democracy, far and near. As the tumultuous events of 2020 brought technology and Big Tech even further into the lives of almost all Americans, Smith and Browne updated the book throughout to reflect a changed world. With three new chapters on cybersecurity, technology and nation-states, and tech in the pandemic, *Tools and Weapons* is an invaluable resource from the cockpit of one of the world's largest tech companies.

"Case Closed" meets "Barbarians at the Gate" in this definitive account of the biggest business story of the decade: the case against Microsoft. Award-winning investigative reporter Wendy Rohm, who has been on the Gates case for over a decade, has created a brilliant inside look at the world's most powerful corporate leader. of photos.

#1 NEW YORK TIMES BEST SELLER • In this urgent, authoritative book, Bill Gates sets out a wide-ranging, practical—and accessible—plan for how the world can get to zero greenhouse gas emissions in time to avoid a climate catastrophe. Bill Gates has spent a decade investigating the causes and effects of climate change. With the help of experts in the fields of physics, chemistry, biology, engineering, political science, and finance, he has focused on what must be done in order to stop the planet's slide to certain environmental disaster. In this book, he not only explains why we need to work toward net-zero emissions of greenhouse gases, but also details what we need to do to achieve this profoundly important goal. He gives us a clear-eyed description of the challenges we face. Drawing on his understanding of innovation and what it takes to get new ideas into the market, he describes the areas in which technology is already helping to reduce emissions, where and how the current technology can be made to function more effectively, where breakthrough technologies are needed, and who is working on these essential innovations. Finally, he lays out a concrete, practical plan for achieving the goal of zero emissions—suggesting not only policies that governments should adopt, but what we as individuals can do to keep our government, our employers, and ourselves accountable in this crucial enterprise. As Bill Gates makes clear, achieving zero emissions will not be simple or easy to do, but if we follow the plan he sets out here, it is a goal firmly within our reach.

Conquer Microsoft Office 365 Administration—from the inside out! Dive into Microsoft Office 365 Administration—and really put your Office 365 expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, and operate Microsoft Office 365 in any environment. In this completely revamped Second Edition, a new author team thoroughly reviews the administration tools and capabilities available in the latest versions of Microsoft Office 365, and also adds extensive new coverage of Azure cloud services and SharePoint. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. • Install, customize, and use Office 365's portal, dashboard, and admin centers • Make optimal decisions about tenancy, licensing, infrastructure, and hybrid options • Prepare your environment for the cloud • Manage Office 365 identity and access via federation services, password and directory synchronization, authentication, and AAD Connect • Implement alerts and threat management in the Security & Compliance Center • Establish Office 365 data classifications, loss prevention plans, and governance • Prepare your on-premises environment to connect with Exchange Online • Manage resource types, billing and licensing, service health reporting, and support • Move mailboxes to Exchange Online via cutover, staged, and express migrations • Establish hybrid environments with the Office 365 Hybrid Configuration Wizard • Administer Exchange Online, from recipients and transport to malware filtering • Understand, plan, and deploy Skype for Business Online Current Book Service In addition, this book is part of the Current Book Service from Microsoft Press. Books in this program receive periodic updates to address significant software changes for 12 to 18 months following the original publication date via a free Web Edition. Learn more at <https://www.microsoftpressstore.com/cbs>.

Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. Summary You can be incredibly productive with Azure without mastering every feature, function, and service. *Learn Azure in a Month of Lunches, Second Edition* gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical bite-sized lessons. As you explore the examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery! This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning

Publications. About the technology Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-based applications. About the book *Learn Azure in a Month of Lunches, Second Edition*, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside *Understanding Azure beyond point-and-click* Securing applications and data Automating your environment Azure services for machine learning, containers, and more About the reader This book is for readers who can write and deploy simple web or client/server applications. About the author Iain Foulds is an engineer and senior content developer with Microsoft. Table of Contents PART 1 - AZURE CORE SERVICES 1 Before you begin 2 Creating a virtual machine 3 Azure Web Apps 4 Introduction to Azure Storage 5 Azure Networking basics PART 2 - HIGH AVAILABILITY AND SCALE 6 Azure Resource Manager 7 High availability and redundancy 8 Load-balancing applications 9 Applications that scale 10 Global databases with Cosmos DB 11 Managing network traffic and routing 12 Monitoring and troubleshooting PART 3 - SECURE BY DEFAULT 13 Backup, recovery, and replication 14 Data encryption 15 Securing information with Azure Key Vault 16 Azure Security Center and updates PART 4 - THE COOL STUFF 17 Machine learning and artificial intelligence 18 Azure Automation 19 Azure containers 20 Azure and the Internet of Things 21 Serverless computing

Starting with a turnover of just \$16,005 in 1976, Microsoft, 'the house that Windows built', had clocked up over \$143 billion in revenues in 2020. It also became one of the very few companies to cross the \$1 trillion mark in market capitalization! It's not just the story of its main architects-Bill Gates and Paul Allen-but also of people like Steve Ballmer and Satya Nadella, who have taken Microsoft into an orbit of its own. This book affords us fascinating insights into how modern businesses are built, sustained and scaled up, besides offering an analysis of how different leaders lead the same organization in their own unique ways. The book traces Microsoft's eventful journey from its early fledgling days to the current dominant status-its first major deal with IBM and the launching of Windows and Office softwares, gaming gadgets, and making forays into other computer products and services like Cloud, mobile phones, computer hardware and artificial Intelligence, covering the entire gamut of information technology. This is a story that has no parallels. Imagine if you could see the playbook that returned a struggling tech empire to the top of the tech leaderboard. The *Microsoft Story* will help you understand and adopt the competitive strategies, workplace culture, and daily business practices that enabled the tech company to once again become a leading tech innovator. It wasn't so long ago that Microsoft and its Windows operating system dominated the tech industry so much so that they faced antitrust charges for what was perceived by many to be predatory, monopolistic practices. Less than a decade later, the tide had turned and Microsoft lost its dominance in the personal tech marketplace amidst the launch of the iPhone, the rise of Google, and the cloud computing phenomenon. But, now, Microsoft is back on top. The company's value is soaring and once again Microsoft is being recognized as a tech leader once again. What changed? Since Satya Nadella took over as CEO, the company has gone through significant changes. The company culture has become one of creativity and innovation, no longer requiring that all products revolve around Windows. The company has reevaluated their business lines, getting rid of underperforming initiatives such as smartphones, and focused on the area of growth where the company excelled:the cloud. Through the story of Microsoft, you'll learn: How to build a nimble company culture that supports innovation and growth. How to return a forgotten brand to the spotlight. How to recognize and build upon successful business lines, while letting go of underperforming initiatives. When to change the entire way you do business. And much, much more. "At the core, *Hit Refresh*, is about us humans and the unique quality we call empathy, which will become ever more valuable in a world where the torrent of technology will disrupt the status quo like never before." – Satya Nadella from *Hit Refresh* "Satya has charted a course for making the most of the opportunities created by technology while also facing up to the hard questions." – Bill Gates from the Foreword of *Hit Refresh* The New York Times bestseller *Hit Refresh* is about individual change, about the transformation happening inside of Microsoft and the technology that will soon impact all of our lives—the arrival of the most exciting and disruptive wave of technology humankind has experienced: artificial intelligence, mixed reality, and quantum computing. It's about how people, organizations, and societies can and must transform and "hit refresh" in their persistent quest for new energy, new ideas, and continued relevance and renewal. Microsoft's CEO tells the inside story of the company's continuing transformation, tracing his own personal journey from a childhood in India to leading some of the most significant technological changes in the digital era. Satya Nadella explores a fascinating childhood before immigrating to the U.S. and how he learned to lead along the way. He then shares his meditations as a sitting CEO—one who is mostly unknown following the brainy Bill Gates and energetic Steve Ballmer. He tells the inside story of how a company rediscovered its soul—transforming everything from culture to their fiercely competitive landscape and industry partnerships. As much a humanist as engineer and executive, Nadella concludes with his vision for the coming wave of technology and by exploring the potential impact to society and delivering call to action for world leaders. "Ideas excite me," Nadella explains. "Empathy grounds and centers me." *Hit Refresh* is a set of reflections, meditations, and recommendations presented as algorithms from a principled, deliberative leader searching for improvement—for himself, for a storied company, and for society.

Praise for *Overdrive* Gates and the Race to Control Cyberspace "James Wallace offers many tales of . . . temper tantrums, antitrust tussles with the Justice Department, and general dirty tricks Microsoft has allegedly played on its competitors." -The New York Times Book Review Praise for James Wallace's *Hard Drive: Bill Gates and the Making of the Microsoft Empire* "A stupendous success story. This is the most informative book yet on Bill Gates and Microsoft." -the Washington Post "Remarkable . . . This book will make you wonder why you didn't buy Microsoft stock when it went public." -The Wall Street Journal "An engaging, almost classic tale of a boy who finds power in gadgets and then won't let

go." -Los Angeles Times

The Making of Microsoft How Bill Gates and His Team Created the World's Most Successful Software Company Prima Lifestyles

The must-read summary of James Wallace and Jim Erickson's book: "Hard Drive: Bill Gates and the Making of the Microsoft Empire". This complete summary of the ideas from James Wallace and Jim Eriskon's book "Hard Drive" tells the story of America's youngest millionaire and Microsoft founder, Bill Gates. In their book, the authors have interviewed childhood friends, employees and business rivals to present this compelling story behind the rise of this genius who transformed the computer industry. By reading this summary, you will understand how one man took his passion for computing and transformed it into a multi-million dollar world-class company. Added-value of this summary: • Save time • Understand key concepts • Expand your knowledge To learn more, read "Hard Drive" and discover the secrets behind the success of the most feared player in the computer industry.

Bill Gates, the chairman, chief executive officer and cofounder of the Microsoft corporation, is the principal architect of the information super-highway that will shape the future. It will affect everyone as well as businesses of every type in ways more pervasive than people recognise. In this book Bill Gates explains the information super-highway, what it is, what it isn't, how individuals and institutions can prepare for it, and how these emerging technologies will transform human existence in unprecedented ways.

"Designed to help you amplify teaching and engagement in your classroom, The Microsoft Infused Classroom equips you to use powerful tools that put learning first"--Page 4 of cover.

This book provides an introduction to the mathematical and algorithmic foundations of data science, including machine learning, high-dimensional geometry, and analysis of large networks. Topics include the counterintuitive nature of data in high dimensions, important linear algebraic techniques such as singular value decomposition, the theory of random walks and Markov chains, the fundamentals of and important algorithms for machine learning, algorithms and analysis for clustering, probabilistic models for large networks, representation learning including topic modelling and non-negative matrix factorization, wavelets and compressed sensing. Important probabilistic techniques are developed including the law of large numbers, tail inequalities, analysis of random projections, generalization guarantees in machine learning, and moment methods for analysis of phase transitions in large random graphs. Additionally, important structural and complexity measures are discussed such as matrix norms and VC-dimension. This book is suitable for both undergraduate and graduate courses in the design and analysis of algorithms for data.

The sector that led the first and second industrial revolutions is again at the forefront of adopting new technologies to raise productivity, reinvent business processes and create safer work environments. The Future Computed: AI and Manufacturing shares insights from leading companies, policy makers, and labor representatives on how AI is reshaping the marketplace, the workplace and the workforce. The second in Microsoft's Future Computed series, this new book sets out options for governments and industry to enable a competitive manufacturing sector, deliver AI in an ethical way and build a sustainable talent supply chain. The book looks at the digital and cultural transformation that AI is ushering in for manufacturers while offering some policy considerations to foster responsible innovation, improve worker safety, enhance job creation and drive national competitiveness.

This "inside account captures the energy—and the madness—of the software giant's race to develop a critical new program. . . . Gripping" (Fortune Magazine). Showstopper is the dramatic, inside story of the creation of Windows NT, told by Wall Street Journal reporter G. Pascal Zachary. Driven by the legendary David Cutler, a picked band of software engineers sacrifices almost everything in their lives to build a new, stable, operating system aimed at giving Microsoft a platform for growth through the next decade of development in the computing business. Comparable in many ways to the Pulitzer Prize-winning book The Soul of a New Machine by Tracy Kidder, Showstopper gets deep inside the process of software development, the lives and motivations of coders and the pressure to succeed coupled with the drive for originality and perfection that can pull a diverse team together to create a program consisting of many hundreds of thousands of lines of code.

"Intriguing passages". -- Computerworld The Making of Microsoft reveals the inside story of one of the most successful American companies of the microcomputer revolution.

Profiles the people who executed Bill Gates' plan to establish a monopoly by creating a new kind of business organism, and how they are dealing with the limits of Microsoft's growth and their own mid-life crises.

The Internet Revolution, like all great industrial changes, has made the world's elephantine media companies tremble that their competitors-whether small and nimble mice or fellow elephants-will get to new terrain first and seize its commanding heights. In a climate in which fear and insecurity are considered healthy emotions, corporate violence becomes commonplace. In the blink of an eye-or the time it has taken slogans such as "The Internet changes everything" to go from hyperbole to banality-"creative destruction" has wracked the global economy on an epic scale. No one has been more powerful or felt more fear or reacted more violently than Bill Gates and Microsoft. Afraid that any number of competitors might outflank them-whether Netscape or Sony or AOL Time Warner or Sun or AT&T or Linux-based companies that champion the open-source movement or some college student hacking in his dorm room-Microsoft has waged holy war on all foes, leveraging its imposing strengths. In World War 3.0, Ken Auletta chronicles this fierce conflict from the vantage of its most important theater of operations: the devastating second front opened up against Bill Gates's empire by the United States government. The book's narrative spine is United States v. Microsoft, the government's massive civil suit against Microsoft for allegedly stifling competition and innovation on a broad scale. With his superb writerly gifts and extraordinary access to all the principal parties, Ken Auletta crafts this landmark confrontation into a tight, character- and incident-filled courtroom drama featuring the best legal minds of our time, including David Boies and Judge Richard Posner. And with the wisdom gleaned from covering the converging media, software, and communications industries for The New Yorker for the better part of a decade, Auletta uses this pivotal battle to shape a magisterial reckoning with the larger war and the agendas, personalities, and prospects of its many combatants.

By his early thirties, Paul Allen was a world-famous billionaire-and that was just the beginning. In 2007 and 2008, Time named Paul Allen, the cofounder of Microsoft, one of the hundred most influential people in the world. Since he made his fortune, his impact has been felt in science, technology, business, medicine, sports, music, and philanthropy. His passion, curiosity, and intellectual rigor-combined with the resources to launch and support new initiatives-have literally changed the world. In 2009 Allen discovered that he had lymphoma, lending urgency to his desire to share his story for the first time. In this classic memoir, Allen explains how he solved problems, what he learned from his many endeavors-both the triumphs and the failures-and his compelling vision for the future. He reflects candidly on an extraordinary life. The book also features previously untold stories about everything from the true origins of Microsoft to Allen's role in the dawn of private space travel (with SpaceShipOne) and in discoveries at the frontiers of brain science. With honesty, humor, and insight, Allen tells the story of a life of ideas made real.

**** #1 Wall Street Journal Bestseller **** In this essential book written by a rural native and Silicon Valley veteran, Microsoft's Chief technology officer tackles one of the most critical issues facing society today: the future of artificial intelligence and how it can be realistically used to promote growth, even in a shifting employment landscape. There are two prevailing stories about AI: for heartland low- and middle-skill workers, a dystopian tale of steadily increasing job destruction; for urban knowledge workers and the professional class, a utopian tale of enhanced productivity and convenience. But there is a third way to look at this technology that will revolutionize the workplace and ultimately the world. Kevin Scott argues that AI has the potential to create abundance and opportunity for everyone and help solve some of our most vexing problems. As the chief technology officer at Microsoft, he is deeply involved in the development of AI applications, yet mindful of their potential impact on workers—knowledge he gained firsthand growing up in rural Virginia. Yes, the AI Revolution will radically disrupt economics and employment for everyone for generations to come. But what if leaders prioritized the programming of both future technology and public policy to work together to find solutions ahead of the coming AI epoch? Like public health, the space program, climate change and public education, we need international understanding and collaboration on the future of AI and work. For Scott, the crucial question facing all of us is this: How do we work to ensure that the continued development of AI allows us to keep the American Dream alive? In this thoughtful, informed guide, he offers a clear roadmap to find the answer.

"An engaging look at Microsoft's success"—The San Francisco Chronicle

It may surprise you to learn that Microsoft employs as many software testers as developers. Less surprising is the emphasis the company places on the testing discipline—and its role in managing quality across a diverse, 150+ product portfolio. This book—written by three of Microsoft's most prominent test professionals—shares the best practices, tools, and systems used by the company's 9,000-strong corps of testers. Learn how your colleagues at Microsoft design and manage testing, their approach to training and career development, and what challenges they see ahead. Most important, you'll get practical insights you can apply for better results in your organization. Discover how to: Design effective tests and run them throughout the product lifecycle Minimize cost and risk with functional tests, and know when to apply structural techniques Measure code complexity to identify bugs and potential maintenance issues Use models to generate test cases, surface unexpected application behavior, and manage risk Know when to employ automated tests, design them for long-term use, and plug into an automation infrastructure Review the hallmarks of great testers—and the tools they use to run tests, probe systems, and track progress efficiently Explore the challenges of testing services vs. shrink-wrapped software

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