

Sync vs Async Communication

Request and wait for a response
Fire and forget with messages/events

@lorenz/23

Synchronous



Request-response model

Send a request and wait for some response
Example: API requests

Asynchronous



Fire and Forget model

Send message/event and forget
Example: Event Driven Architecture

Best Async Communication

Michael Durr, Dwayne Walker



Best Async Communication:

Microservices Best Practices for Java Michael Hofmann, Erin Schnabel, Katherine Stanley, IBM Redbooks, 2017-03-13
Microservices is an architectural style in which large complex software applications are composed of one or more smaller services. Each of these microservices focuses on completing one task that represents a small business capability. These microservices can be developed in any programming language. This IBM Redbooks publication covers Microservices best practices for Java. It focuses on creating cloud native applications using the latest version of IBM WebSphere Application Server Liberty, IBM Bluemix, and other Open Source Frameworks in the Microservices ecosystem to highlight Microservices best practices for Java.

Top 100 Productivity Apps to Maximize Your Efficiency Navneet Singh, Outline for the Book
Top 100 Productivity Apps to Maximize Your Efficiency Introduction Why productivity apps are essential in 2025 How the right apps can optimize your personal and professional life Criteria for choosing the best productivity apps ease of use integrations scalability etc

Category 1 Task Management Apps Top Apps
Todoist Task and project management with advanced labels and filters
TickTick Smart task planning with built in Pomodoro timer
Microsoft To Do Simple and intuitive list based task management
Things 3 Ideal for Apple users sleek and powerful task manager
Asana Task tracking with project collaboration features
Trello Visual project management with drag and drop boards
OmniFocus Advanced task management with GTD methodology
Notion Versatile note taking and task management hybrid
ClickUp One stop platform with tasks docs and goals
Remember The Milk Task manager with smart reminders and integrations

Category 2 Time Management Focus Apps Top Apps
RescueTime Automated time tracking and reports
Toggl Track Easy to use time logging for projects and tasks
Clockify Free time tracker with detailed analytics
Forest Gamified focus app that grows virtual trees
Focus Booster Pomodoro app with tracking capabilities
Freedom Blocks distracting websites and apps
Serene Day planner with focus and goal setting
Focus Will Music app scientifically designed for productivity
Beeminder Tracks goals and builds habits with consequences
Timely AI powered time management with automatic tracking

Category 3 Note Taking Organization Apps Top Apps
Evernote Feature rich note taking and document organization
Notion All in one workspace for notes tasks and databases
Obsidian Knowledge management with backlinking features
Roam Research Ideal for building a knowledge graph
Microsoft OneNote Free and flexible digital notebook
Google Keep Simple note taking with color coding and reminders
Bear Minimalist markdown note taking for Apple users
Joplin Open source alternative with strong privacy focus
Zoho Notebook Visually appealing with multimedia support
TiddlyWiki Personal wiki ideal for organizing thoughts

Category 4 Project Management Apps Top Apps
Asana Collaborative project and task management
Trello Visual board based project tracking
Monday.com Customizable project management platform
ClickUp All in one platform for tasks docs and more
Wrike Enterprise grade project management with Gantt charts
Basecamp Simplified project collaboration and communication
Airtable Combines spreadsheet and database features
Smartsheet Spreadsheet style project and work management
Notion Hybrid project

management and note taking platform nTask Ideal for smaller teams and freelancers

Category 5 Communication Collaboration Apps Top Apps Slack Real time messaging and collaboration Microsoft Teams Unified communication and teamwork platform Zoom Video conferencing and remote collaboration Google Meet Seamless video conferencing for Google users Discord Popular for community based collaboration Chanty Simple team chat with task management Twist Async communication designed for remote teams Flock Team messaging and project management Mattermost Open source alternative to Slack Rocket Chat Secure collaboration and messaging platform

Category 6 Automation Workflow Apps Top Apps Zapier Connects apps and automates workflows IFTTT Simple automation with applets and triggers Integromat Advanced automation with custom scenarios Automate io Easy to use workflow automation platform Microsoft Power Automate Enterprise grade process automation Parabola Drag and drop workflow automation n8n Open source workflow automation Alfred Mac automation with powerful workflows Shortcut Customizable automation for iOS users Bardeen Automate repetitive web based tasks

Category 7 Financial Budgeting Apps Top Apps Mint Personal finance and budget tracking YNAB You Need a Budget Hands on budgeting methodology PocketGuard Helps prevent overspending Goodbudget Envelope based budgeting system Honeydue Budgeting app designed for couples Personal Capital Investment tracking and retirement planning Spendee Visual budget tracking with categories Wally Financial insights and expense tracking EveryDollar Zero based budgeting with goal tracking Emma AI driven financial insights and recommendations

Category 8 File Management Cloud Storage Apps Top Apps Google Drive Cloud storage with seamless integration Dropbox File sharing and collaboration OneDrive Microsoft s cloud storage for Office users Box Secure file storage with business focus iCloud Native storage for Apple ecosystem pCloud Secure and encrypted cloud storage Mega Privacy focused file storage with encryption Zoho WorkDrive Collaborative cloud storage Sync com Secure cloud with end to end encryption Citrix ShareFile Ideal for business file sharing

Category 9 Health Habit Tracking Apps Top Apps Habitica Gamified habit tracking for motivation Streaks Simple habit builder for Apple users Way of Life Advanced habit tracking and analytics MyFitnessPal Nutrition and fitness tracking Strava Fitness tracking for runners and cyclists Headspace Meditation and mindfulness guidance Fabulous Science based habit tracking app Loop Habit Tracker Open source habit tracker Zero Intermittent fasting tracker Sleep Cycle Smart alarm with sleep tracking

Category 10 Miscellaneous Niche Tools Top Apps Grammarly AI powered writing assistant Pocket Save articles and read offline Otter ai Transcription and note taking Canva Easy to use graphic design platform Calendly Scheduling and appointment management CamScanner Scan documents and save them digitally Zappy Fast file sharing app Loom Screen recording and video messaging MindMeister Mind mapping and brainstorming Miro Online collaborative whiteboard

Conclusion Recap of the importance of choosing the right productivity tools Recommendations based on individual and business needs

[Top 100 Tools & Applications to Boost Your Productivity](#)

Navneet Singh, Book Outline Introduction Importance of the right tools in the digital age How the right applications can save

time increase efficiency and streamline tasks Overview of the categories included Section 1 Productivity Task Management Tools Trello Asana Notion Todoist ClickUp Microsoft To Do Monday.com Evernote Google Keep Workflowy Section 2 Communication Collaboration Tools Slack Microsoft Teams Zoom Google Meet Discord Skype Chanty Flock Twist Mattermost Section 3 Marketing Social Media Management Tools Buffer Hootsuite Later Canva Sprout Social SocialPilot Tailwind Sendible BuzzSumo Loomly Section 4 Data Analytics SEO Tools Google Analytics Ahrefs SEMrush Moz Google Search Console Ubersuggest Hotjar Crazy Egg KeywordTool.io Screaming Frog Section 5 Writing Content Creation Tools Grammarly Hemingway Editor Jasper formerly Jarvis ProWritingAid Scrivener QuillBot Google Docs Draft Final Draft Copyscape Section 6 Design Multimedia Tools Adobe Photoshop Canva Figma Adobe Illustrator GIMP Inkscape Sketch PicMonkey Affinity Designer Pixlr Section 7 Security Privacy Tools LastPass NordVPN Bitwarden ExpressVPN Dashlane ProtonMail Signal 1Password TunnelBear Tutanota Section 8 Learning Development Platforms Coursera Udemy Skillshare Khan Academy edX Duolingo LinkedIn Learning Pluralsight MasterClass Codecademy Section 9 File Storage Management Tools Google Drive Dropbox OneDrive iCloud pCloud Sync.com Box Mega Zoho WorkDrive Tresorit Conclusion Recap of how these tools empower individuals and businesses Tips for selecting the right tool based on individual needs

Work Without Chaos Keira Black, 2025-09-18 Balancing remote work and parenting can feel like an impossible juggling act Zoom calls colliding with snack time deadlines clashing with bedtime and constant guilt on both sides But with the right structure you can thrive at home as both a professional and a parent Work Without Chaos is the essential guide for parents in their 30s and 40s who are new to freelancing or remote jobs This book shows you how to design schedules around childcare blocks set healthy boundaries that protect your focus and use async tools to stay productive without burning out Packed with practical strategies you'll discover how to create a rhythm that works for your career and your family Whether you're finding clients on Upwork building opportunities through LinkedIn or working directly with companies this book gives you the confidence to make remote work sustainable No more guilt No more chaos Just a practical system to help you show up fully for both your clients and your kids

[Advanced Distributed Scrum](#) Kelley O'Connell, 2025-07-25 Master distributed Scrum with real world strategies and tools such as Slack Trello and CI/CD platforms to lead collaborate and deliver high performing Agile projects no matter where your team is located Key Features Help your team succeed globally while staying grounded in Agile Values and the 2020 Scrum Guide Bridge async and sync work to increase alignment and team accountability Apply real world strategies for leading high performing distributed teams Purchase of the print or Kindle book includes a free PDF eBook Book Description The COVID-19 pandemic altered the way teams work turning remote work into a common practice for Agile teams that were originally founded to be co-located leaving teams to grapple with remote and hybrid setups The Agile mindset however remains the standard for effective teamwork and this book integrates distributed work into your Agile and Scrum Values Advanced Distributed Scrum will guide you in harnessing the talents of global team members and overcoming

the challenges of working across geographies Renowned Agile coach and educator Kelley O Connell distills 25 years of experience into this concise guide The book begins by establishing the foundational principles of distributed Scrum highlighting the unique roles and responsibilities within hybrid and remote environments You ll gain insights into the challenges faced by distributed Agile teams and explore how to cultivate a strong remote team culture improve communication and effectively manage conflicts in a virtual space Finally you ll put remote Scrum practices into action to maximize the outcomes you re aiming for By the end of this book you ll be equipped to lead and nurture high performing distributed teams facilitate remote ceremonies implement remote friendly CI CD pipelines and create team norms that drive engagement What you will learn Define and align remote roles for seamless collaboration Set up tools workspaces and team agreements for success Recruit onboard and integrate remote team members Build a strong team culture and resolve conflicts remotely Facilitate remote Scrum events across time zones Implement CI CD pipelines in distributed environments Ensure security and compliance in remote Scrum setups Who this book is for This book is for Scrum Masters Agile practitioners coaches product owners and team leads who want to master remote and hybrid collaboration and build high performing distributed Scrum teams Whether you re experienced or new to leading distributed teams this practical guide offers tools to enhance team effectiveness and continuous collaboration A foundational understanding of Agile principles the Agile mindset and core frameworks is recommended to get the most value from this book Future-Ready Office Etiquette With AI Isabelle Collins,2025-10-30 The workplace has changed forever and Future Ready Office Etiquette With AI shows you how to thrive in it In a world where hybrid teams virtual meetings and AI powered communication tools define daily work professionalism is being rewritten This insightful guide helps you master the new rules of tone timing and transparency in a tech driven office environment Learn how to balance AI assisted writing with authentic human connection set digital boundaries that prevent burnout and communicate effectively across time zones using async tools and shared documents With clear examples modern frameworks and practical advice this book reveals how to use technology to strengthen not strain your workplace relationships Whether you re a manager refining your team s communication culture or a professional adapting to AI in daily collaboration this book will help you maintain clarity empathy and credibility in every message The future of work is already here equip yourself with the etiquette that defines the next generation of leaders

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Personal Computers Michael Durr,1989 **Small Systems World** ,1984 **Hot Interconnects 11** ,2003 *Micro to Mainframe* Michael Durr,Dwayne Walker,1985 **Communications-- Fusing Command, Control, and Intelligence** ,1992 *Data Communications* Scott A. Helmers,1989 *IBM? RISC System/6000* Jim Hoskins,1994-03-16 Completely updated with coverage on over 12 new RISC 6000 models including a new PowerBook computer this new edition provides detailed information on selecting integrating and operating the right RISC System 6000 model for businesses of any size
Telecommunications ,1985

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for DC Motor Using an Optimal ... by AI Tajudin · 2022 · Cited by 1 — Abstract—The project purpose to implement Artificial Bee Colony (ABC) algorithm optimization technique for controlling the speed of the DC motor. (PDF) A response time reduction for DC motor controller ... This paper proposes an alternative solution to maximize optimization for a controller-based DC motor. The novel methodology relies on merge proper tuning with ... Modelling and Simulation for Industrial DC Motor Using ... by AAA Emhemed · 2012 · Cited by 61 — The main objective of this paper illustrates how the speed of the DC motor can be controlled using different controllers. The simulation results demonstrate ... Stability and performance evaluation of the speed control ... by SA Salman · 2021 · Cited by 3 — This paper presents the design of a state-feedback control to evaluate the performance of the speed control of DC motor for different applications. The. Precision Speed Control of A DC Motor Using Fuzzy Logic ... Precision Speed Control of A DC Motor Using Fuzzy Logic Controller Optimized by ... Universiti Teknologi Malaysia, ACKNOWLEDGMENT Johor, Malaysia, in 2011. He ... DC Motor Control | Automation & Control Engineering Forum Jun 20, 2022 — I have a 1 HP DC motor that I'm currently manually controlling using a Dayton 1F792 DC Speed Control unit. I want to automate the following ...