

Matt R. Manzi

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PROFILE

I am a self-driven, highly skilled, experienced software engineer, battle-tested in fast-paced, startup environments. I am focused on delivering precise and robust technical solutions through concrete skills and meaningful collaboration. Team-oriented and versatile, I also have a proven ability to step up and lead. I place emphasis on both communication and iteration, early and often. I'm intentional in what I do, and I consistently strive to raise the bar.

SKILLS

Technologies	Programming: JavaScript/TypeScript on Node.js, HTML/CSS, Python, Swift, Java, Clojure, C/C++, Go Data: Postgres Relational, Couchbase NoSQL, Redis In-Memory, Apache Kafka Event Streaming Cloud: Certified AWS Developer, Terraform, CloudFormation DevOps: Docker, Virtual Machines, CI/CD Pipelines, GitHub Workflows, Git Networking: Unifi, pfSense, DNS Servers Unix-Like Operating Systems: macOS, Debian Linux, Red Hat Linux Control Systems: Arduino, Raspberry Pi
Practices	System Architecture: Distributed Systems, Server & Serverless, Containerization, Microservices & Monoliths, High-Availability, Multi-Tenancy Application Design: REST APIs, Event-Driven APIs, Object-Oriented Programming, Protocol-Oriented Programming, Third-Party API Integration, Performance Tuning, BDD-/TDD-Style Testing, Debugging Additional Practices: Moving Security Left, Service Level Agreements, HIPAA Compliance
Cybersecurity	Defensive: Network/Host Firewalls (e.g. iptables), IAM/RBAC, Linux Server Hardening Offensive: Python, Shell Scripting, Kali Linux Investigation: Wireshark, Splunk, Datadog, Elastic Stack
Soft Skills	Collaboration: Agile Teams & Ceremonies, Documentation, Jira, Cross-Team with Product/DevOps/QA/etc., Incident Response, Peer Review Leadership: Leading by Example, Mentorship, Project Management & Requirements Gathering Foreign Language: Mandarin Chinese

INDUSTRY EXPERIENCE

Python Developer IV at United Airlines, Chicago, IL Contract, Remote	Mar 2025 – Present
<ul style="list-style-type: none">Build a custom detection-as-code automation system in Python for Splunk Cloud Platform to enable several Threat Detection Engineers to efficiently and powerfully manage security-critical searches	
Software Engineer at Intel Evolutions, Herndon, VA Contract, Remote	Feb 2025 – Mar 2025
<ul style="list-style-type: none">Implemented website front-end (React) and backend (Python) software designs for an intelligence applicationContributed to the design and improvement of the backend information-handling system	
Full Stack Software Engineer at Relay Network, Radnor, PA Remote	Sep 2020 – Mar 2024
<ul style="list-style-type: none">Designed, developed, and maintained new and existing customer-facing applications, high-availability backend microservices (event-driven and polling serving up to 3M+ requests/month), and systems for internal engineering initiatives, accounting for 901 story points across 319 tickets, representing 150% of the average team member productivity during my recent tenureResponsible for delivering 3 product initiatives and 5 internal efforts, (notably) including the rebuild of an existing service to decrease processing time by a factor of 20 and the creation of a robust and customized logging framework to enhance internal auditing capabilities and decrease MTTR for client-facing systems	

Full Stack Software Engineer at Relay Network (*continued*)

- Integrated proprietary systems with third-party APIs using Node.JS, numerous AWS services, Couchbase, and several other technologies
- Recognized by the CEO and the leadership team for demonstrating passion, technical curiosity, and a whatever-it-takes mentality
- Served as interim team lead assuming scrum master and leadership communication responsibilities
- Trained and mentored 3 junior developers through peer programming, code reviews, one-on-one meetings, and creating and maintaining onboarding documentation, resulting in up to 100% increased output in 3 months
- Adhered to strict HIPAA compliance requirements and maintained a strong personal code of ethics when handling all customer data
- Interviewed and evaluated prospective employees and made hiring recommendations
- Proactively performed an average of over 20 peer code reviews per month
- Provided on-call support and self-driven root cause analysis and related application enhancement for critical systems resulting in increased system reliability and reduced engineering triage time by 90%

PROJECTS**Open Source Contribution**

- Contribute research and code to various projects to support the open source software community

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- Design, develop, and maintain personal website to showcase interests and explore new technologies, including hosting on bare-metal Linux servers & Google Cloud Platform, and utilizing web frameworks Vue.js & Svelte

Spotify Playlist Manager

- Utilized TypeScript for Node.js & React to build a web application interfacing with Spotify via OAuth 2.0, allowing users to bulk backup/restore playlists to/from files

iOS Application Development

- Designed, developed, and published custom Swift apps to the Apple App Store through self-direction

Cyber Defense Exercise

- Placed 1st out of 10+ teams in a cyber defense competition by identifying, inspecting, and neutralizing malware on multiple Windows & Linux servers, managing competing technical and unrelated business priorities, and delegating incident response tasks amongst team members

EDUCATION**International Chinese Language Program (ICLP)**, Taipei, Taiwan*Sep – Dec 2023, Mar – Jun 2024*

Studied Mandarin full-time, including daily one-on-one classes, all the while reaping the benefits of valuable language practice outside the classroom that come with studying abroad

University of Maryland, Baltimore County (UMBC), Baltimore, MD*Aug 2016 – May 2020*

Bachelor of Science, Computer Science (Cybersecurity Track)

Certificate in Chinese Studies

Honors: Summa Cum Laude (3.98 GPA), Center for Women in Technology (CWIT) Cyber Scholar, Dean's Fellow

Internships: Software Developer (WSFS Bank), Cybersecurity Engineer (Parsons), Systems Engineer (Juniper Networks)