Adam Mischke

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Summary

Dedicated Full-stack Engineer with a strong work ethic, known for quick learning and commitment to teamwork while mentoring junior developers. Brings 5 years of startup experience in agile and TDD environments, taking ownership of both process and solution lifecycles. Previously served 6 years as an Engineer in the United States Navy.

Skills

Languages	Bash (16y), SQL (13y), Python (12y), JavaScript (10y), TypeScript (9y), Swift (7y), C++ (3y), Solidity (3y)
Frameworks	Django (7y), Postgres (10y), React (10y), NodeJS (8y), Flask (4y), SwiftUI (7y), NextJS (5y) Remix (2y)
Tools	git (12y), Docker (10y), Pivotal Tracker (6y), JIRA (5y), Redis (5y), Terraform (5y), Redux (6y)
Platforms	Mac, Linux, Web, iOS, AWS, GCP, Firebase, GitHub, Datadog, Sentry, Code Climate, CircleCI, Vercel
Soft Skills	Leadership, Problem Solving, Strong Communication, Time Management

Experience

Ford - Experience Design
Senior Creative Technologist (Full-time) — Remote — *February 2023 - August 2024*

- **Software Expert**: Demonstrated technical expertise and adaptability by developing multiple prototypes for the BlueCruise Audio Tour Guide Experience iOS app and the Apple Vision Pro BlueCruise experience, showcasing proficiency in cutting-edge technologies like React, React Native, iOS, CarPlay, VisionOS, Android, and Android Auto.
- **Leadership**: Demonstrated leadership and a collaborative approach by actively contributing to the XD Process and Deliverables team, focusing on enhancing operational efficiency, minimizing waste, and developing tools like the Agile Sprint Canvas Board for improved communication and transparency across stakeholders.

Open3 - Qualified Digital Art Platform
Senior Full-stack Engineer (Full-time) — Remote — *July 2022 - December 2022*

- **Focused Execution**: Developed a React Website, Django Backend, and a secure Solidity Smart Contract template in 3 months, attracting over 17,000 verified users and hosting 68 partners and their projects, including renowned brands like Liquid Death.
- **Leadership**: Collaborated with artists and brands to create digital art, deploying over 33 smart contracts that resulted in the sale of more than 100,000 art pieces. Worked alongside Artists and Brands to generate digital art and deployed over 33 smart contracts that sold over 100,000 art pieces.

FunFunFun Inc. - Gen Z Dating
Full-stack Engineer (Full-time) — Remote — *May 2020 - June 2022*

- **First Engineering Hire**: Served as the Subject Matter Expert for a live-updating video dating app integrated with TikTok, which attracted over 10,000 users. The app enabled users to like, match, and message each other in real-time.
- **Backend**: Developed a Django and GraphQL REST API along with a matching algorithm to pair users based on similar parameters. Created a video processing pipeline using Firebase, Firestore, and Google Storage TypeScript triggers, which asynchronously processed and cut over 8,000 videos.
- **Frontend**: Launched a SwiftUI iOS app from the ground up and successfully deployed it to the App Store. Contributed to an internal TypeScript React webpage, enabling admins to monitor and manage uploaded media and content.
- **DevOps**: Implemented a CI/CD pipeline using GitHub Actions to automate testing and deployment for both the backend and iOS app, utilizing Fastlane to manage multiple environments.

Coinmine - Crypto Mining Made Easy
Software Engineer (Full-time - Part-time) — Remote — *May 2018 - Current*

- **First Engineering Hire**: Developed a plug-and-play cryptocurrency miner capable of mining six different cryptocurrencies 24/7, allowing users to control the device through their iOS or Android phones.
- **mineOS**: Developed and maintained MineOS, an Arch Linux-based operating system for small form factor computers. Created build and deployment tools to distribute MineOS images, enabling remote updates for over 5,000 miners through a CI/CD pipeline.
- **Backend**: Utilized Agile, Extreme Programming, and Test-Driven Development methodologies to deploy, update, and configure a Django-based REST API serving over 10,000 users. Developed programmatic reports to calculate all accounting assets.
- **DevOps**: Configured and managed analytical tools such as CircleCI, Code Climate, Datadog, & Sentry.
- **Communication**: Collaborated with overseas distribution centers in China to develop and implement Standard Operating Procedures (SOPs) for assembly and manufacturing.

United States Navy
Fire controlman (FC2) - Computer and Network Technician (Full-time) — *July 2008 - July 2014*

- **Leadership**: Efficiently led as work center supervisor, supervising 8 personnel in accomplishing over 1,634 maintenance actions with a 94% maintenance accomplishment rate, managing 372 maintenance checks and repairs.
- **Security Clearance**: Held a Secret Clearance and handled the Electronic Key Management System, which managed 106 classified software programs and hardware systems.
- **Preventative & Corrective Maintenance**: Upkeep and corrective maintenance of the Ship's Self Defense System, Open architecture network server and computer systems, Battle Force Tactical Trainer network, and Cooperative Engagement Capability LAN.
- **Teamwork**: Assisted in the successful overhaul of 3 major system installs with lead engineers to include: Hardware, software, and network installation, troubleshooting to the perfection of the system.

Education

Middle Tennessee State University   Murfreesboro, Tennessee
Bachelor of Science - Computer Science; Minor in Mathematics   *July 2014 - June 2018*
Awards / Memberships: *Dean's List 2014-2018, Member of Association of Computing Machinery (ACM), Member of the Upsilon Pi Epsilon Computer Honor Society*

Projects

Unraid Server

Developed and maintained an Unraid server setup running various Docker containers, demonstrating expertise in system administration, containerization, and automation. The setup includes containers for Plex, NextCloud, OpenWebUI, showcasing skills in Media Management and Backups and Home AI Assistants.

OPNsense Firewall

Configured and managed an OPNsense firewall to secure network infrastructure and implemented WireGuard VPN for secure remote access. The project highlights skills in network security, VPN configuration, and firewall management.

Ethereum Validator

Set up and maintained a Rocketpool Ethereum validator node, contributing to the Ethereum network's security and decentralization. The project demonstrates proficiency in blockchain technology, node operation, and Ethereum ecosystem.