Adam Mischke

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Summary

Strong work ethic Full-stack Engineer that learns quickly, is a committed team player, and leads junior developers. Has 4-years of startup experience working in an agile and TDD environment. Served 6 years in the United States Navy as a Network Administrator.

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*

Skills

- **Languages**:   Python, Swift, JavaScript, Typescript, C++, SQL, Bash, Solidity
- **Frameworks**:   Django, Flask, NodeJS, React, SwiftUI
- **Tools**:   Docker, Terraform, GIT, PostgreSQL, Fastlane, Truffle, Ganache, Hardhat
- **Platforms**:   Mac, Linux, Web, iOS, AWS, GCP, Firebase, Github, Datadog, Sentry, Code Climate, CircleCI
- **Soft Skills**:   Leadership, Problem Solving, Strong Communication, Time Management

Experience

- **FunFunFun Inc. - Gen Z Dating** — Remote
  Full-stack Engineer (Full-time) — *May 2020 - June 2022*
  - **First Engineering Hire**: Subject Matter Expert on a live updating video dating app that integrated with TikTok with over 10,000 users, where users could like, match, and message each-other.
  - **Backend**: Built a Django and GraphQL REST API and a matching algorithm to pair users together with alike parameters. Created a series of Firebase, Firestore, and Google Storage Typescript triggers to create a video processing pipeline that asynchronously cut over 8,000 videos.
  - **Frontend**: Deployed a complete SwiftUI iOS app from the ground up to app store. Contributed to an internal Typescript React webpage to police uploaded media and content used by admins.
  - **DevOps**: Used GitHub actions to create an CI/CD pipeline for testing and deploying the backend and iOS using fastlane for multiple environments.

- **Coinmine - Crypto Mining Made Easy** — Remote
  Software Engineer (Full-time - Part-time) — *May 2018 - Current*
  - **First Engineering Hire**: Built a plug-and-play cryptocurrency miner that mined 6 different cryptocurrencies 24/7, that a user could control with their iOS or Android phone.
  - **mineOS**: Built and maintained mineOS, an Arch Linux-Based Operating System, onto a small form factor computer. Fabricated the build and deployment tools for distributing mineOS images through a test and build pipeline to remotely update over 5,000 miners.
  - **Backend**: Used Agile, Extreme Programming and Test Driven Development methodologies to deploy, update, and configure a Django based REST API with over 10,000 users. Created programmatic reports to calculate all accounting owed and owned.
  - **DevOps**: Arranged and operated analytical, deployment, and pipeline tools such as: CircleCI, Code Climate, Datadog, and Sentry.
  - **Communication**: Worked with overseas distribution centers in China to construct and create Standard Operating Procedures (SOP) for assembly and manufacturing.

- **Caterpillar Financial Services Corporation**
  Information Services - Network Team (Intern) — *May 2017 – July 2017*
  - **Leadership**: Led research, meetings, and recommended the replacement of a network team application. Worked as liaison between team members and company solutions, then sought out quote to be implemented into the yearly budget.
  - **Problem Solving**: Researched and developed a web dashboard that displayed global network information with Python and Flask using a SQL database. Used JavaScript, J-Query, Bootstrap, AJAX, and Google Charts to form a coherent and simple-to-use website. Implemented a search function that integrated with database calls to speed up information flow.

- **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.