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[catwebm.com](http://catwebm.com)



[github.com/vanities](https://github.com/vanities)

## 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, specializing in the Ship's Self-Defense System.

## Education

### Middle Tennessee State University

*Bachelor of Science - Computer Science; Minor in Mathematics*

Murfreesboro, Tennessee

*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

<b>Languages</b>	Python, Swift, JavaScript, Typescript, C++, SQL, Bash, Solidity
<b>Frameworks</b>	Django, Flask, NodeJS, React, NextJS, SwiftUI
<b>Tools</b>	Docker, Terraform, Pivotal Tracker, GIT, PostgreSQL, Fastlane, Hardhat, Redux
<b>Platforms</b>	Mac, Linux, Web, iOS, AWS, GCP, Firebase, Github, Datadog, Sentry, Code Climate, CircleCI, Vercel
<b>Soft Skills</b>	Leadership, Problem Solving, Strong Communication, Time Management

## Experience

### Ford - Experience Design

*Expert Creative Technologist (Full-time)*

Remote

*February 2023 - Current*

- **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 website from the ground up in just 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. Also 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 test and build 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, deployment, and pipeline tools including CircleCI, Code Climate, Datadog, and Sentry.

- **Communication:** Collaborated with overseas distribution centers in China to develop and implement Standard Operating Procedures (SOPs) for assembly and manufacturing.

## Caterpillar Financial Services Corporation

*Information Services - Network Team (Intern)*

*May 2017 – July 2017*

- **Leadership:** Led research and meetings to recommend replacing a network team application. Acted as the liaison between team members and company solutions, and obtained quotes for integration into the annual budget.
- **Problem Solving:** Researched and developed a web dashboard using Python and Flask with a SQL database to display global network information. Utilized JavaScript, jQuery, Bootstrap, AJAX, and Google Charts to create a user-friendly interface. Implemented a search function that integrated with database calls to enhance information retrieval speed.
- **Process Improvement:** Six Sigma Green Belt Trained

## 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.