

Experience

IT Helpdesk Technician

December 2023 - Present

F&A Federal Credit Union

- Manage operations and configuration of a hybrid cloud infrastructure, ensuring a secure and high-performance cloud environment
- Develop and implement SMS and Email alert systems to notify members when transactions are made on their accounts and credit cards
- Develop automated **SQL** reports on member accounts, loan portfolios, credit risk, and financial performance
- Monitor network performance and troubleshoot network outages, minimizing downtime and ensuring high availability
- Administer and maintain **Active Directory** and **Azure AD** environments, including user and group policy management
- Create documentation detailing system configurations, network topologies, operational procedures, and troubleshooting steps
- Develop automations using **Python**, **Powershell**, and **Ansible Playbooks** to streamline and optimize IT operations, including user provisioning, workstation and server configuration, and software installation
- Plan and execute software installation and patching for a fleet of 200+ workstations, bare metal servers, and virtual machines

Software Development Engineer

May 2022 - August 2022

Amazon (Internship)

- Develop internal tooling with **Python** that integrates with the **ETL Pipeline**, enabling the Customer Interests team to efficiently aggregate and convert thousands of binary labeling data into high confidence datasets to train and benchmark the performance of their machine learning models and recommendation algorithms, serving more relevant product recommendations to Amazon shoppers
- Create an **AWS CDK** application in **TypeScript** to programmatically provision and configure resources, including **AWS Lambda** functions, **DynamoDB** databases, and **IAM** users to distribute read and write permissions
- Implement unit and integration tests in **Pytest** with 100% branch and statement coverage where applicable
- Configure and deploy the CI/CD infrastructure in TypeScript through AWS CDK and CloudFormation

Software Engineer

September 2023 - December 2023

Hack for LA (Volunteer)

- Develop routes and **React** components for the 311-Data project, a web app that allows users to view and analyze service request data from the City of Los Angeles
- Led the codebase migration to modern **React** and **Node** versions, addressing breaking changes and optimizing performance
- Conduct code reviews and provide feedback to team members, ensuring code quality and adherence to best practices
- Develop automations that keep information about projects and contributors on the website up to date

Frontend Developer

September 2021 - February 2022

California State University, Fullerton (Volunteer)

- Spearheaded the creation of a mobile-responsive frontend using **Next.js** for **TuffyHacks**, a student-run, MLH-sponsored hackathon, featuring an impactful landing page that reached and engaged a global audience of thousands of students and a dashboard that facilitated team formation and showcased real-time event updates and announcements
- Architected backend infrastructure, leveraging **AWS Lambda** functions and a **PostgreSQL** database, enabling participants to effortlessly establish and join teams through personalized invite links, achieving exceptional performance by ensuring 100% uptime and minimal latency, amidst peak traffic from hundreds of users

Projects

Twofivefour *Svelte, Typescript, TailwindCSS, OpenAI*

- An **AI**-powered coding assistant to help developers understand and document their code by explaining code snippets, translating between programming languages, documenting functions, and calculating time complexity of functions

Spotify Seasonal Playlist Creator *Javascript, Python, Flask, Spotify REST API, Next.js, Docker Compose, NGINX*

- A web app that places liked songs into playlists grouped by seasons. Currently serving a user base of 20+ individuals

Education

California State University, Fullerton

Bachelor of Science in Computer Science, Minor in Mathematics

Skills

Languages: JavaScript/TypeScript, HTML/CSS, Python, C++, Rust, Go, Java, \LaTeX , Dart, SQL, R, MATLAB

Web: React, Next.js, Svelte, Figma, TailwindCSS, Express.js, Flask, FastAPI, Node.js, PostgreSQL, SQLite, MySQL, IBM DB2

DevOps: Amazon Web Services, Microsoft Azure, VMware ESXi, Ansible, Firebase, Docker, NGINX, Apache, Terraform