

## Experience

### IT Helpdesk Technician

December 2023 - Present

F&A Credit Union

- Manage operation and configuration of a **Corelation Keystone** financial core system; develop automations in **Python** and **Java** to handle batch transaction postings and routine processing/purge workflows
- Develop **SQL** reports and dashboards in **Jaspersoft** to provide insights on member activity, loan performance, and operational metrics
- Design and develop card transaction alerts platform in **Python** and **Twilio**, enabling members to receive real-time SMS/email notifications on card activity; system processes 10,000+ daily transactions with <2 second latency
- Manage and configure **Cisco ASA** firewalls, site-to-site VPN tunnels between branches, datacenters, and vendors, firewall rulesets, ACLs, **SAN** replication, and procedures for disaster recovery and business continuity
- Perform network troubleshooting and diagnostics using tools such as tcpdump, traceroute, and netstat; maintain network documentation and monitor site-to-site VPN connectivity and SAN replication latency to maintain RTO/RPO targets
- Administer and maintain **Active Directory** and **Microsoft Entra** environments, including user and group policy management
- Develop infrastructure automation using **Python**, **Powershell**, and **Ansible**; automating user provisioning, **Linux** and **Windows Server** configuration, and software deployment across 150+ endpoints

### Software Development Engineer

May 2022 - August 2022

Amazon (*Internship*)

- Develop **ETL** tooling with **Python**, enabling the Customer Interests team to convert binary labeling data into high-confidence ML training data, reducing processing time and supporting recommendation models that map storefront products to various interest categories
- Built **AWS CDK** infrastructure-as-code application with **TypeScript** to provision and configure AWS resources including **AWS Lambda** functions, **DynamoDB** databases, and **IAM** roles with granular read/write permissions
- Implement unit and integration tests in **Pytest** with 100% branch and statement coverage where applicable
- Design and deploy CI/CD pipeline using **CloudFormation** with automated testing and deployment for the data processing infrastructure

### Software Engineer

September 2023 - December 2023

Hack for LA (*Volunteer*)

- Develop **React** components and client-side routes for the 311-Data project, allowing residents to query and visualize 500k+ annual service requests to the City of Los Angeles
- Led codebase migration from React 16 to 18 and Node 12 to 18, resolving breaking changes, refactoring deprecated patterns, and reducing bundle size

### Frontend Software Developer

September 2021 - February 2022

California State University, Fullerton (*Volunteer*)

- Developed mobile-responsive frontend in Next.js for TuffyHacks, a student-run, MLH-sponsored hackathon, including landing page and team formation dashboard with real-time updates for event announcements and changes to team rosters
- Built backend service using **AWS Lambda** and **PostgreSQL**, enabling participants to create teams and exchange invite links

## Projects

### Twofivefour *Svelte, TypeScript, TailwindCSS, OpenAI API*

- Built AI LLM powered coding assistant leveraging OpenAI API to help developers understand, analyze, and auto-generate documentation for source code; features syntax highlighting, code explanation, and runtime complexity analysis

### Spotify Seasonal Playlists *JavaScript, Python, Flask, Spotify REST API, Next.js, Docker, NGINX*

- Developed full-stack web application integrating Spotify API to automatically categorize and organize user's liked songs into seasonal playlists; built Python Flask backend for playlist generation logic and Next.js frontend for user interaction; actively serving 20+ users

## Education

### California State University, Fullerton

Bachelor of Science in Computer Science, Minor in Mathematics

## Skills

**Programming Languages:** JavaScript/TypeScript, HTML/CSS, Python, Powershell, Rust, Go, Java, L<sup>A</sup>T<sub>E</sub>X, SQL

**Networking:** Cisco ASA, Cisco switches, Cisco Meraki, FortiNAC, Versa SD-WAN, TCP/IP, VPN, ACLs, DNS, DHCP

**Technical Competencies:** High-availability design, Disaster Recovery (DR), SAN Replication, backup/recovery strategy

**Certifications:** AHA First Aid CPR AED, CCNA 200-301 (In-Progress)