Jason Wong

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Experience

IT Helpdesk Technician
December 2023 - Present

F&A Credit Union

- Manage operations and configuration of a **Corelation Keystone** financial core, developing programs and scripts to automate routines and batch transaction postings
- Develop custom reports and dashboards in **Jaspersoft** to provide insights on member activity, loan performance, and operational metrics
- Develop mobile banking alerts and notifications service with **Python**, allowing members to receive real-time updates on card activity
- Serve as technical lead on loan preapproval campaign, coordinating with credit bureaus and internal teams to offer preapproved loans with personalized rates for members
- Oversee critical IT infrastructure components including site-to-site VPN administration, and SAN replication
- Administer and maintain **Active Directory** and **Azure AD (Microsoft Entra)** environments, including user and group policy management
- Develop automations using **Python**, **Powershell**, and **Ansible Playbooks** to streamline and optimize IT operations, including user provisioning, workstation and server configuration, and software installation

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, IBM AIX

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

Certifications: AHA First Aid CPR AED, CCNA 200-301 (WIP)