Jason Wong

jaasonw | wayson | jason-wong.me | jayywong92@gmail.com

Experience

Junior Systems Administrator   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
- 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
- Build tooling and pipelines migrate data from legacy core banking systems to a modern cloud-based system
- Collaborate cross functionally with project managers and stakeholders to migrate core banking systems and implement AI/ML solutions
- Develop automations using **Python**, **Powershell**, and **Ansible Playbooks** to streamline and optimize IT operations, including user provisioning, workstation and server configuration, and software installation
- Compose documentation for system configurations and procedures, ensuring consistency and facilitating knowledge transfer
- Plan and execute software installation and patching for a fleet of 200+ workstations, bare metal servers, and virtual machines

Software Development Engineer Intern   May 2022 - August 2022
Amazon

- 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

Frontend Development Intern   September 2021 - February 2022
California State University, Fullerton

- 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

Mobile and Backend Engineer Intern   June 2020 - September 2020
Twiine

- Spearheaded the development of the Minimum Viable Product (MVP) for a date and hangout planning mobile application using **Flutter**
- Designed and implemented key app features, including the planning and user profile interfaces, incorporating real-time updates for request acceptances and profile changes
- Orchestrated a seamless user experience by crafting a secure and efficient login and signup flow, integrating **OpenID** and **OAuth** protocols for streamlined authentication via Google, Facebook, and Email
- Implement **REST API** endpoints to enable users to schedule hangouts and extend invitations to fellow users seamlessly

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
- Integrate with the **OpenAI** LLM APIs to generate code insights and translate between programming languages

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, Vue, jQuery, Figma, TailwindCSS, SCSS, 11ty, Express.js, Flask, FastAPI, Node.js, PostgreSQL, SQLite, MySQL

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