

Tsaiching Wong

Founding/Staff Engineer. Engineering Manager

WORK EXPERIENCE

ManaBurn. Saratoga, CA

Cloud Architect/Founding Engineer

2023 - Present

- Architected, developed and deployed a scalable backend platform architecture to serve AI-generated themed art and storylines (i.e. game assets) using Python and FastAPI, leveraging AWS services such as EC2, Lambda (Python), S3, CloudFront, Simple Email Service, Simple Notification Service, API Gateway (HTTP/REST APIs) and DynamoDB.
- Optimized cloud infrastructure costs (100% improvement), and latency (30% improvement) services hosted on AWS.
- Developed a custom Stable Diffusion custom model into a API service for demos
- Launched a new marketing tool within the Google Accelerator program that successfully attracted 15% more users during the pilot phase; implementation utilized Typescript, React, and Vue to ensure dynamic and responsive user experience.

Mysens. Paris, France

Founding Engineer

2022

- Collaborated with a leading researcher on brain function to develop an innovative Android app prototype; the new application is set to revolutionize focus enhancement strategies and is currently in beta testing with 50 users.
- Championed and developed a MVP Android app (100%) using Kotlin, Room Database, and Bluetooth Low Energy (BLE) libraries, adhering to Material Design principles in material.io and UX design principles for mobile apps.

Wells Fargo Bank. San Francisco, CA

Staff Engineer (from Junior)

2003 - 2020

- Led the development (not at the same time) of all of Wells Fargo's product offerings in the sales channel (Home Equity, Business and Consumer deposits/savings, Personal loans, Credit Cards, Retirement Accounts and Student Loans).
- Directed the successful delivery of up to 5 concurrent high-impact projects per release cycle, with budgets ranging from \$10k-700k and duration spanning 3-9 months.

CONTACT

- San Francisco, CA.
- Open to Remote, Hybrid, In-Office.
- +1-415-377-3603.
- tcheiner@gmail.com.

HIGHLIGHTS:

- Banking.
- Backend Development.
- MVP Development - full stack
- Enterprise level production platform experience.

SKILLS

AI:

- Prompt Engineering
- LangChain, LangSmith
- OpenAI, Claude, Stable Diffusion

Languages:

- Python (Preferred).
- Java/J2EE/JSP, Kotlin.
- SQL, NoSQL.
- JSON, XML/XSL, JavaScript, HTML/CSS, Typescript, React. ASP, VB Script.
- Swift, Kotlin.

Databases:

- AWS Dynamo.
- Oracle, MySQL, SQL Server 7.

Servers/Platforms::

- Unix, Linux, Solaris.
- Windows.
- Mac.
- VMS/VAX.

Tools and Software:

- Eclipse/IntelliJ/VSCode/XCode.
- Github/Git.
- Confluence.
- Jira.

EDUCATION

- Upgraded authentication layer used for platform, thus establishing a new standard practice for the platform (socket based mutual authentication for all SOAP interactions for the backend).
- Spearheaded hands-on third-party integrations (Visa, Amex, Discover), setting standard practice for integrations for the team/platform.
- Facilitated team expansion by onboarding and mentoring new developers, liaising with business product teams and managing transitions to offshore development expansion (Hyderabad/India team) and establishing the first unit if work transitioned to our Indian branch office.
- Navigated complex corporate structures, cross-domain, to drive issue resolution, fostering collaboration and accountability amongst stakeholders.
- Fostered professional growth through mentoring, code reviews, and leading knowledge/training sessions for both full-time and contract developers.
- Executed security audits, documenting findings and recommendations in detailed reports; findings led to immediate remediation actions that improved compliance with industry standards and reduced audit failures by 50%.
- Directed all phases of project lifecycle, ensuring effective resource allocation and management across three concurrent projects; enhanced team collaboration through weekly feedback sessions with cross-domain development teams, reducing development time and bug issues by 100%.
- Constructed a comprehensive analytics platform analyzing millions of entries of production data for on-the-fly monitoring, product market analysis, and 100% increased visibility to production health. The platform has become essential for generating timely business insights for product managers.

University Of Missouri - Kansas City.

Bachelor of Science.

Computer Science with emphasis in
Software Engineering
Kansas City, MO.

WORK AUTHORIZATION

United States of America

Singapore

The Netherlands

