

Ming Zou

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Professional Summary

Backend-focused Full Stack Software Engineer with 8+ years of experience designing and building scalable, high-performance systems. Proven success in optimizing system architecture, integrating cloud-native services (AWS, Azure), and delivering production-ready features across distributed platforms. Skilled in API development, CI/CD pipelines, and cross-functional collaboration to drive business outcomes. Passionate about modern technologies, system reliability, and continuous product improvement.

Technical Skills

Languages: C#, Python, JavaScript/TypeScript, Java, SQL, HTML/CSS, GraphQL

Frameworks: ASP.NET, .NET Core, MVC, Angular, ReactJS, Next.js, Node.js

Cloud/DevOps: AWS (Lambda, API Gateway, DynamoDB, S3, CloudFront), Azure DevOps

Expertise: Distributed Systems, API Architecture, LLM Integration, Performance Optimization, CI/CD

Professional Experience

Software Engineer II (Full Stack), Intercontinental Exchange

Sep 2023 – Present

- Contributed to high-impact features for [RE Portal](#) generating 6 figures in annual recurring revenue.
- Engineered a database query optimization framework, reducing execution time from 3 minutes to 5 seconds.
- Streamlined CI/CD workflows via Azure DevOps, enhancing deployment reliability and speed.
- Refactored legacy infrastructure [Listing Portal](#) into modular components, reducing system latency by 30%.

Software Engineer II (Full Stack), Black Knight Inc. (Acquired by Intercontinental Exchange)

Mar 2020 – Sep 2023

- Built a responsive Angular frontend integrated with .NET APIs, increasing user interaction by triple.
- Diagnosed and resolved critical software issues to maintain 99.99% system uptime.
- Developed and launched a C# MVC application, resulting in a 51.4% increase in user engagement.

Software Engineer (Front End), Collateral Analytics (Acquired by Black Knight Inc.)

Jun 2017 – Mar 2020

- Led performance optimization initiatives, significantly improving system throughput.
- Implemented automated testing pipelines, reducing bugs in production by 40%.

Personal Projects

Founder & Technical Lead, LocalMoco

Jun 2024 – Present

- Led end-to-end product development for a SaaS platform that offers market research polling services to online businesses.
- Designed and deployed a scalable web platform using Next.js, AWS Lambda, S3, and CloudFront.
- Integrated OpenAI API to enable LLM-based scoring of respondent responses through prompt engineering, providing automated ratings and feedback scoring.
- Oversaw the full development lifecycle, from requirements gathering to production deployment.

Education

B.S. in Computer Science, University of Hawaii at Manoa. Major GPA 3.8. Jun 2013 – Jun 2017

Certifications

Microsoft Azure Fundamentals – AZ-900 (Cert. I1639-2661)