Jiahong Liu

219-386-9383 | **Portfolio**: jahong.ai | jahongliu@gmail.com | linkedin.com/in/jahongliu | github.com/JahongLiu

EXPERIENCE

AI Software Engineer   January 2026 – Present
Jahong Inc   *Monroe, NJ*
- Developed an online AI education platform from scratch using Next.js, having 100+ paid users
- Developing a all-in-on general agentic life information platform

Full Stack Developer Lead   January 2025 – May 2025
1 Thing Org   *Monroe, NJ*
- Led 3-9 developers with Google engineering manager to develop mobile/web real-time tracker for anti-Asian hate incidents across North America using React Native, serving thousands of daily users
- Optimized API latency by migrating Google Translate LROs from synchronous Flask endpoints to async Cloud Functions workers with Firestore caching, reducing response times from seconds to milliseconds
- Eliminated incident data cache inconsistency across distributed App Engine instances by migrating from in-memory TTL caches to centralized Redis
- Reduced onboarding time by 50% (1 week) using DevContainer, CodeSpaces, Bash and Docs
- Led team to win 2nd place + most popular project at "Hack for Impact" NY tech week with AI coding and MCP
- Improved team productivity by lecturing on AI tools and proposed Responsible AI Initiative

Full Stack Developer   May 2024 – August 2024
1 Thing Org   *Monroe, NJ*
- Designed/implemented "self-report" system allows reporters to submit incidents with Cloud Storage attachments, admins to moderate, and users to interact with D3.js/Redux geo maps and statistics by state/date

Full Stack Developer   September 2023 – February 2024
Mink Inc   *Boston, MA*
- Independently developed three Flask sites for blind scientists with accessibility features and responsive interface

Software Development Engineer Intern   May 2023 – August 2023
Knobull Inc   *Exeter, RI*
- Delivered MERN stack news site 50% (2 months) faster by leveraging open-source React-admin with REST API

PROJECTS

End-to-End Scalable Architecture Evolution   Code/Doc: tinyurl.com/sa2023doc
- Architected 8-phase evolution of distributed e-commerce system from 3-tier MVP to production microservices
- Implemented auto-scaling, high availability, and rolling updates using Kubernetes orchestration
- Optimized read-heavy domains with hybrid Cassandra and PostgreSQL database architecture
- Decoupled order submission from processing using RabbitMQ message queues to handle traffic spikes
- Built observability system with EFK centralized logging, Jaeger distributed tracing, and Prometheus metrics
- Simplified routing via Zuul Gateway, Eureka discovery, and Nginx/Ribbon load balancing
- Ensured consistent environment and easy restarts using Docker Compose/Network/Volume and bash automation
- Developed initial 3-tier MVP store using Spring Boot, Django, PostgreSQL, and React on GCP virtual machine

EDUCATION

Northeastern University   Portland, ME
Master's in Computer Science   *January 2023 – December 2025*

Indiana University   South Bend, IN
Bachelor's in Finance   *August 2018 – December 2022*