Aaron Kim

Boston, MA

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Portfolio: https://aaron-kim.dev | GitHub: https://github.com/aaronkim218 | LinkedIn: www.linkedin.com/in/aaron-kim27

Education

Northeastern University, Boston, MA   December 2024
   Khoury College of Computer Sciences
   Bachelor of Science in Computer Science and Mathematics
   Coursework: Software Engineering | Web Development | Algorithms and Data Structures | Object-Oriented Design

Skills

Languages: Go | JavaScript (Node.js, TypeScript) | Python | Java | HTML | CSS | SQL
Frameworks/Libraries: Fiber | Express | React | React Native | Angular | Expo | Echo | Flask | NestJS | Spring Boot | Redux Toolkit
Databases: PostgreSQL | MongoDB | SQLite | MySQL
Tools/Technologies: REST API | Google Cloud Platform (GCP) | WebSockets | Docker | Jenkins | Git | Distributed Systems

Work Experience

Fidelity Investments, Merrimack, NH   January 2025 - Present
Associate Full-stack Software Engineer
- **Optimized Java/Spring/Postgres REST API endpoint response times up to 50% (600ms→300ms)** with concurrency and caching.
- Built and maintained reusable Angular components with unit tests for a production web application in an agile environment.

Optum, Boston, MA   January - July 2024
Software Engineering Co-op
- Deployed a Python/Flask app to GCP Cloud Run that leverages AI to calculate NLP metrics on responses from our Gen AI app.
- **Reduced batch metrics compute time by 40% (20min→12 min)** through asynchronous programming with asyncio.
- Streamlined communication to stakeholders by building dashboards with Jinja2 and Bokeh, **reducing meeting frequency by 50%**.

Brooktec, Remote   May - August 2023
Software Engineering Co-op
- Created a React/Express app that generates user stories from meeting minutes via OpenAI's, Google Drive's, and Redmine's APIs.
- **Decreased sprint planning meeting durations by 30%** with my AI-powered user story generation tool.

Optum, Boston, MA   July - December 2022
Software Engineering Co-op
- Developed automation scripts for testing the front- and back-end of Optum's commercial payments portal with Java/Selenium.
- **Eliminated 15% of the team's manual testing workload** by writing over **80** automation scripts.

Campus Experience

Platnm (Northeastern Generate Product Development), Boston, MA   September - December 2024
Software Engineer
- Built a music-reviewing app with a Go/Fiber/PostgreSQL REST API and TypeScript/React Native/Expo frontend.
- Led research and technical discussions on OAuth 2.0 best practices, ensuring secure Spotify and Apple Music API integrations.
- Mentored 2 fellow university students in designing and building scalable, high-performance RESTful services with Go and Fiber.

Voxeti (Northeastern Generate Product Development), Boston, MA   September - December 2023
Software Engineer
- Built a marketplace web app for 3D printing services with a Go/Echo/MongoDB REST API and TypeScript/React frontend.
- Collaborated with 5 engineers to adapt to evolving project requirements while consistently meeting deadlines.

Project Experience

Go-Chat   May - August 2025
- Developed a real-time chat-room app with a Go/Fiber/PostgreSQL REST API and TypeScript/React frontend.
- Leveraged Go concurrency patterns such as worker pool, pipeline, and context cancellation to optimize performance.
- Focused on robust API design with JWT-based authentication, idempotent endpoints, and server- and client-side caching.

Husky-Connect   October - December 2024
- Developed a Stack Overflow clone with a Node.js/Express/MongoDB REST API and TypeScript/React frontend.
- Implemented session-based authentication with express-session, and real-time notifications with socket.io.