

Aaron Kim

Boston, MA

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Education

Northeastern University, Boston, MA

Expected: December 2024

Khoury College of Computer Sciences

Candidate for 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 | Echo | Express | React | React Native | Expo | Flask | Svelte | Electron | Redux Toolkit | Selenium

Databases: MongoDB | PostgreSQL

Tools/Technologies: Google Cloud Platform (GCP) | REST API | WebSockets | Docker | Jenkins | Git

Work Experience

Platnm, Boston, MA

September 2024 - Present

Software Engineer

- Developed a social music-reviewing app with a Go/Fiber/PostgreSQL REST API and a TypeScript/React Native/Expo frontend.
- Implemented Spotify authentication via the PKCE and standard OAuth 2.0 authorization code flows.

Optum (UnitedHealth Group), Boston, MA

January - July 2024

Software Engineering Co-op

- Deployed a Python/Flask app to GCP Cloud Run for calculating RAGAs/NLP metrics on hundreds of LLM responses at a time.
- Leveraged Jinja2 HTML templates and Bokeh plots to enhance interpretability and improve stakeholder reporting.
- Reduced Jenkins job compute time by 80% through asynchronous and concurrent programming.

Tubender, Boston, MA

January - April 2024

Software Engineer

- Developed a desktop app for Tubender, a portable tube-bending machine, with TypeScript, Node.js, Electron, and React.

Voxeti, Boston, MA

September - December 2023

Software Engineer

- Developed a marketplace web app for 3D printing services with a Go/Echo/MongoDB REST API and a TypeScript/React frontend.
- Leveraged goroutines to concurrently remove expired 3D printing jobs and optimize database performance.
- Designed robust and comprehensive test suites with Go's testing and MongoDB's mtest and achieved 100% code coverage.

Brooktec, Madrid, Spain

May - August 2023

Software Engineering Co-op

- Leveraged GPT-4 to gather user stories from meeting minutes and upload them to our project management tool.
- Published a library that utilizes the Google Drive API to handle Google Docs that contain meeting minutes.
- Built a web app that uses my library to retrieve meeting minutes, uses OpenAI API to create user stories, and uploads the stories.

Project Experience

Geo Task

September 2024 - Present

- Developed a task-tracking mobile app that features geofencing capabilities with TypeScript, React Native, and Expo.

Clichat

July 2024 - Present

- Developed a chat-room app with a Go/Echo/PostgreSQL REST API and a Go CLI tool featuring an interactive chat-room GUI.
- Leveraged goroutines, channels, and Gorilla WebSockets to allow real-time communication across concurrent users and rooms.
- Implemented secure user authentication using hashed passwords and Gorilla sessions.

BeGroovy

November - December 2023

- Developed a social music-sharing web app with a Node.js/Express REST API and a TypeScript/React frontend.
- Implemented authentication using the express-session library, ensuring the security of user data across the application.

Additional Interests

Basketball | Weightlifting | Experimental hip-hop and rock music | Thriller films | Valorant