

Ji-min Kim

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[Linkedin](#) | [Github](#) | [Personal Website](#)

RELATED WORK EXPERIENCE

LG Energy Solution Vertech, Inc (Software Engineer Intern) *January 2025-Present*

- Develop a **PySide6** full-stack battery cell analysis feature, processing 20+ attributes for 5M+ cells
- Lead design of **Python** module for remote access to 5GB+ battery data from 150+ ESS sites
- Reduce 10GB+ load time & 3GB+ memory use by 30% through API and data parsing optimizations
- Lower 5GB+ cell log file latency from **AWS S3** by 45% via Agile collaboration with 15+ developers
- Design 20+ **Snowflake** DB tables with **SQL**, structuring 5M+ cells records from 150+ ESS sites

PadMatch LLC (Mobile Software Engineer Intern) *July 2023-January 2024*

- Created **Flutter** property search app for **iOS & Android**, promoting firm's 3K+ managed properties
- Streamlined **SQLite** queries with data caching, improving RAM efficiency and app UX by 20%
- Boosted development process and reliability by 30% with CI/CD automation in **GitHub Actions**
- Optimized external API usage, reducing data traffic by 20% and decreasing app crashes by 40%
- Collaborated with 3+ engineers and PMs on tenant app UI/UX, backend service, and DB designs

Above & Beyond Studios, Inc (Software Engineer Intern) *September 2022-January 2023*

- Built checkout REST API with **Stripe** in **Express.js**, allowing online sales for 1K+ household items
- Invented 10+ responsive **JavaScript** web UI widgets, increasing the user engagement by 25%
- Improved API with data caching and optimized **PostgreSQL** queries, cutting data load time by 40%
- Cooperated with 6+ software engineers, enhancing e-commerce **React.js** web in SDLC process

RELATED PROJECTS

Artist Social Network Platform *Present*

- Build **iOS & Android** features in **Flutter** and **GCP** for 2.6M+ artists to showcase their 1K+ artworks
- Redesign 20+ web front-end with **NextJS** and **Radix UI**, reducing the page load time by 30%
- Optimize **Firestore** data processing by structuring 20+ **Dart** data models, cutting code by 40%

Northeastern Electric Racing (Software Tech Lead) *January 2022-May 2024*

- Contributed to PM **React** SaaS for 200+ engineers, managing 100+ Formula E style car projects
- Developed **Express.js** REST API to automate 1K+ project review request reminders with Slackbot
- Implemented HTTP server **Jest** tests with error handling, reducing app and server crashes by 40%
- Mentored 20+ devs and reviewed 50+ webpages & REST APIs in **MUI**, **Node.js**, and **TypeScript**
- Collaborated with 9+ team leads to enhance developers' experience through 12+ web workshops

TECHNICAL KNOWLEDGE

Languages: TypeScript | Python | Dart | SQL | HTML | CSS
Frameworks: React.js | PySide6 | Flutter | Express.js
Softwares: VSCode | Github | Qt Creator 6 | Postman | Jira

EDUCATION

Northeastern University, Houry College of Computer Sciences Boston, MA *2020-2024*

Bachelor of Science in Computer Science

Honors: GPA 3.63/4.00 | Dean's List