Taek Lim

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SUMMARY

Master's in Computer Science student (expected 12/2026) with 5 years of experience building scalable web systems processing millions of daily events. Experienced in cloud infrastructure, data aggregation, visualization, and legacy system modernization. Proven ability to work across engineering, product, and business teams. Leveraging graduate-level CS foundations and production experience to build scalable, maintainable systems that solve real business challenges. Available 12/2025.

EDUCATION

University of Central Missouri   **Warrensburg, MO, 01/2025 - Expected 12/2026**
M.S. Computer Science: Algorithms, Compiler Design, AI, Neural Network and Deep Learning

Georgia Institute of Technology   **Atlanta, GA, 01/2024 - Expected 12/2026**
M.S. Computer Science - Online: Operating Systems, Networks

University of California, Los Angeles   **Los Angeles, CA, 03/2013**
B.S. Mathematics-Economics

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Frontend) at Adriel   **Seoul, South Korea, 11/2021–05/2024**

- Reduced frontend loading time by 50% by leading the migration and architectural redesign of a cross-channel digital marketing dashboard from **Vue2.js** to **React.js** with **Next.js**.
- Reduced client report generation time by 50% by developing a PDF export feature with layout conversion algorithms.
- Built a WYSIWYG editor widget, achieving 100% adoption across all customers for enhanced user content creation.
- Contributed to cross-platform **React Native** application development, implementing user experience improvements including efficient screen flows, deep linking integration, and webpack configuration optimization.
- Led study sessions and delivered lectures on **JavaScript** & **RxJS** for junior developers, improving team performance.
- Reduced communication overhead by 50% by enhancing frontend documentation (setup, business logic, terminology)

Software Engineer at Recobell   **Seoul, South Korea, 02/2018–07/2019**

- Developed and improved a cloud-based recommendation system processing 20 million user events daily from client web and mobile services, using **Java**, **JavaScript**, **Spring**, **SQL**, **PostgreSQL**, **S3**, **Redshift**, and **AWS**.
- Maintained core services, including log collector, AWS Kinesis stream, SQL-driven recommendation engine, and API server.
- Led the development of keyword-based book recommendation for Korea's No.1 bookstore with $500M annual revenue.

PROJECTS

Oauth2 Authorization & Authentication Server: Java, Spring Boot & Security   **07/2025–Current**

- Implemented authentication and authorization systems using JWT to securely manage user access across multiple internal services.

MapReduce Infrastructure Implementation: C++, gRPC, protobuf   **11/2024**

- Designed and implemented a simplified distributed MapReduce infrastructure based on *"MapReduce: Simplified Data Processing on Large Clusters"* by Jeffrey Dean and Sanjay Ghemawat.

SKILLS

- Frontend: JavaScript/TypeScript, React.js, React Native, Next.js, React Query, Jotai, Vue, RxJS, HTML/CSS/Sass
- Backend: Java, Spring Boot & Security, Node, JUnit, REST API/GraphQL, gRPC/Protobuf, C/C++, Python
- Databases: SQL, PostgreSQL, MySQL, Redis, Elasticsearch, AWS Redshift
- Cloud/Infra: Linux, AWS, Oracle Cloud, Azure, Kafka, Kibana
- Tools/CI/CD: Git, Docker, Gradle, Maven, Webpack, Babel, ESLint, Jest, npm, Yarn, Jenkins, GitHub Actions
- Other: OAuth2, Functional/Reactive Programming

SCHOLARSHIPS & CERTIFICATIONS & LICENSES & ETC

- Graduate Student Achievement Award, UCM $1,000   08/2024
- SQL Developer Certificate, Korea Data Agency   07/2023
- CS Bachelor's Degree Examination for Self-Education, Ministry of Education, S.Korea   02/2021
- CS Engineer Information Processing License, HRDK   11/2018