Taesok Kwon

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Work Experience

LoiLo Inc. | Backend Engineer Intern   June 2024 - Present
- Contributed to a large-scale migration project of 160+ APIs from Ruby on Rails to Go, helping the team achieve a 30-40% reduction in server load for high-traffic endpoints

Excite | Backend Engineer Intern   Oct 2024
- Developed a full-stack cancellation system for a broadband service bundle using Laravel (PHP) and Vue.js, which streamlined the cancellation process and reduced manual intervention
- Designed and implemented comprehensive validation logic and unit tests, ensuring data integrity through strict business rules while improving code maintainability and system reliability

OPTiM | Backend Engineer Intern   Aug 2024
- Developed role-based access control features for an enterprise MDM system serving 180,000+ companies, implementing secure policy management using backend framework and ORM (Ruby on Rails)

TeamLab | Frontend Engineer Intern   July 2024 - Aug 2024
- Implemented commercial service UI based on wireframes in collaboration with UI/UX designers, utilizing Next.js and CSS Modules while applying the Container-Presentational pattern to achieve separation of concerns between business logic and presentation layers

Oregon State University CASS Developer | Student Developer Intern   Apr 2022 - Sep 2022
- Developed messaging system integration between backend services using C# and ActiveMQ for Oregon's statewide transportation management platform (ODOT)

Education

Oregon State University, B.S, Computer Science   January 2022 - June 2024
GPA: 3.5 / 4.0
Relevant Coursework: Databases, Computer Networks, Operating System, Computer Architecture and Assembly Language, Web Development (React, APIs), Cloud Application Development (GCP)

Lane Community College, A.S, Computer Science   April 2020 - December 2021
GPA: 4.0
Relevant Coursework: Data Structures and Algorithm (C++), Object-Oriented Programming, Discrete Math, Differential Calculus

Project Work

[Imgdock](#)
- Developed an image hosting platform that enables users to upload, share, and view images. Gained experience integrating Amazon S3 for scalable image storage, leveraging Amazon CloudFront for fast asset delivery, while utilizing memcached to optimize performance. Employed Docker to streamline containerization for both local and production deployment on Amazon EC2

[Text snippet sharing service](#)
- Developed a web application for sharing plain text and code snippets. Gained experience with implementing a custom migration tool for streamlined database schema updates and leveraging Amazon RDS (MySQL 8.0) for scalable, managed storage

[PlantUML server](#)
- Developed a web-based UML learning tool leveraging PHP 8.3's type system and extensive backend libraries, applying software design patterns and OOP principles for robust server-side application design

[Portfolio website](#)

- Developed a personal portfolio website to showcase my background, skills, and projects. Gained experience with establishing a CI/CD pipeline using GitHub Actions and configuring Nginx as a reverse proxy to efficiently manage multiple services under different domains

Skills

Languages: Type/JavaScript, HTML/CSS, PHP, Python, Java, C, Go, SQL
Frameworks: Vue.js, React, Next.js, Laravel, Django, Ruby on Rails, Tailwind CSS
Miscellaneous: Docker, AWS (EC2, RDS, S3, CloudFront), GitHub Actions, Linux (Ubuntu), Nginx