Chanwoo Lee

CONTACT

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PROFESSIONAL EXPERIENCE

JoonFNC | 2021-02 ~ 2021-05

Tech Stack: MySQL, jQuery, PHP, Bootstrap 5
- Developed and maintained the entire website, including the main carousel, about page, and several community feature pages.
- Enhanced the admin panel for carousel updates and manual user visit statistics.
- Implemented a fully responsive design for mobile devices.

LG B2B Lifecare Shopping Mall | 2021-09 ~ 2021-12

Tech Stack: NuxtJS, SCSS, Typescript, nuxt-typed-decorator
- Worked on both web and mobile components, handling different layouts for the same API.
- Focused on '기획전' (Special Planning) UI, feature updates, and navigation improvements.
- Resolved various UI issues identified during QA, ensuring a smooth eCommerce experience.

SNB Plus | 2021-12 ~ 2022-07

Korean Teacher License
Tech Stack: Spring, JSP, Bootstrap 5, Cubrid (Korean RDB)
- Re-architected the entire codebase due to outdated Java versions, legacy libraries, and non-responsive UI.
- Implemented Bootstrap to modernize the user interface and added OAuth2 authentication for easier access.
- Actively monitored and resolved issues during critical license registration periods.

Internal Company Management Tool
- Developed a document approval system that followed the company's hierarchical structure for user permissions.
- Added a custom layout system that dynamically hid and displayed menus based on user roles and authentication levels.
- Optimized query performance, fixing the JPA N+1 issue in the notification system, reducing query execution time from 10 seconds to 0.2 seconds.

Nudge Healthcare | 2022-07 ~ 2023-12

UNPA

Tech Stack: Play Framework, DynamoDB, JavaScript (ES5), TypeScript, NestJS, PostgreSQL, Prisma

- Led the gradual migration from Play Framework to NestJS, implementing an event-driven architecture by using DynamoDB streams to transition data to PostgreSQL with eventual consistency.
- Refactored the login system to support OAuth, PASS (Korean ID system), and soft-delete functionality for user data.
- Migrated infrastructure from EC2 to Beanstalk, implemented disaster recovery with CloudWatch, and optimized CI/CD with CodeBuild and Docker for faster deployments..

Transactional Coupon Server

Tech Stack: NestJS, SQS, PostgreSQL, AWS, Docker

- Built a multi-tenant coupon service integrating KT Biz and KT Mhows servers, with transaction limits and secure VPC access.",
- "Used SQS for rollback mechanisms and implemented optimistic transactions to handle concurrency issues.",
- Managed up to 2,000,000 KRW (~$1400) in daily transactions.

WheeSchool | 2023-12 ~ 2024-03

Tech Stack: Django, MySQL, AWS

- Managed the website built in Django, migrating infrastructure from EC2 to Docker + Beanstalk.
- Transitioned email verification from GoDaddy to SES and used Route 53 for health checks and URL handling.
- Set up SSL with ACM and load balancers, introduced a test environment, and resolved various UI issues.
- Implemented updates for the new TOEFL writing format.

EDUCATION

Stevens Institute of Technology

Bachelor of Science in Computer Science

- GPA: 3.6
- Dean's List

CERTIFICATES

AWS Solutions Architect Associate

Amazon Web Services Training and Certification

JLPT N2

the Japan Foundation

AWS Solutions Architect Professional

Amazon Web Services Training and Certification