

CHEOLMIN OH

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PROFESSIONAL & ACADEMIC EXPERIENCE

BU Spark!

Full-stack Programmer

Boston, MA

May 2023 – Current

- Engaged with clients, including the Boston City Council and District 7 Counselor Tania Fernandes Anderson, to produce tailored applications.
- Spearheaded Docker container distribution; managed automated updates from 5 datasets using Prisma/Railway.
- Developed 21 API endpoints using Express.js, Next.js, and a headless CMS, improving user interactions.
- Incorporated CI/CD pipelines using GitHub Actions and optimized Firebase hosting and Firestore database structures.
- Laid the groundwork for the Spring 2024 launch of the Spark Bites! with three more projects for 2024.

Republic of Korea Air Force – Soldier

Gyeryoung-si, South Korea

Data System Management Group – Squad Leader

September 2020 – June 2022

- Revamped a team website with JSP and Java to enhance tracking of plans, manuals, and tasks, resulting in a 22% uptick in tracked work in the first quarter.
- Normalized large database using MySQL, resulting in faster data retrieval, and reducing onboarding time by 50%.
- Converted legacy codes from Java to a RESTful structure using Node.js and efficiently utilized 20+ neglected APIs.
- Facilitated meetings for high-ranking officials, including 5-star generals and National Assembly audits of state affairs.

Spring Web MVC Project

Seoul, South Korea

Project Manager

October- December 2022

- Created a streaming web service using Spring, JSP, Bootstrap, jQuery, Apache, Maven, OracleDB, 3 foreign APIs, and AWS based on South Korean consumer trends.
- Managed a team of 6, overseeing the development of 13 API and 53 tables to power the website backend.
- Implemented key user interface features, including login, sign-in, and search functionalities, before finalizing and deploying the project on AWS.

Dongyang Vocational Institute

Cheonan-si, South Korea

R&D Planning Analyst

November 2020 - January 2023

- Analyzed course data and enrollment trends, resulting in the creation of a new course on basic Python and Java programming, as well as the elimination of unprofitable courses.
- Assisted the educational institution evaluation and accreditation process, reviewing, and refining required forms to ensure compliance with government standards and eligibility for funding.

American University

Washington, DC

Teaching Assistant

September 2018 – May 2019

- Collaborated with professors to design and deliver engaging and informative lessons on Python programming and business statistics for classes of 60+ students.
- Personalized course delivery by identifying individual student needs, summarizing class materials, and organizing web course materials for enhanced understanding.
- Led weekly interactive review sessions and provided feedback on academic submissions.

EDUCATION

Boston University, College of Arts and Science

Boston, MA

BA Degree in Computer Science

Expected May 2024

American University, School of International Service

Washington, DC

International Studies Major

Transferred May 2019

SKILLS/ INTERESTS

Skills: JavaScript, TypeScript, Python, Java, jQuery, PostgreSQL, MySQL, Oracle DB, MongoDB, Next.js, Express.js, Spring, Expo, React, React Native, Firebase, Railway, AWS, Azure, Figma, Excel, PowerPoint

Languages: Korean (Native), English (Fluent)

Interests: Tennis; Cooking; Golf; Netflix; Traveling