Christy Choi

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PROFILE

Passionate and experienced software engineer with a strong background in backend, web application, and business service (API) development. Leveraging two years of commercial experience, I have honed expertise in the entire software development lifecycle, encompassing design, development, testing, deployment, and maintenance. As a full-stack Java developer in a healthcare startup and a Django developer in an early-stage platform startup, I've demonstrated adaptability, ownership, and the drive to deliver results.

I excel in cross-functional collaboration, contributing to company growth through my diverse skill set. Proficient in various platforms and languages, my global exposure in the UK, Europe, and the US has cultivated exceptional English communication skills. My ability to solve complex problems and produce finished IT products positions me as an asset for any team.

PROFESSIONAL AND TECHNICAL SKILLS

Languages & Frameworks: Python, Django, React, React Native, Java, Spring, HTML, CSS, Bootstrap, JavaScript, JQuery, Next.js
Databases: MySQL, PostgreSQL, MariaDB, Oracle, HeidiSQL, Redis
Cloud & DevOps: AWS (Elastic Beanstalk, EC2, ECR, ECS, S3, RDS, Route53, IAM, MFA, Certified Manager), Docker, Github Actions (CI/CD), Linux
Version Control: Git, Github
IDEs & Tools: VSCode, Postman

EXPERIENCE

SOFTWARE ENGINEER | Trophy Cabinet | August 2023 - Present
● working remotely as a full-stack engineer for an American company.
● currently undergoing training in React and React Native to enhance front-end development skills.

SOFTWARE ENGINEER | Ugly Stone | Jan 2022 – June 2023
● led backend development for a recycling trading platform, taking ownership of coding and deployment issues as the sole backend developer.
● adapted swiftly to dynamic early-stage startup requirements, experimenting with diverse development approaches to ensure effective solutions.
● designed software architecture and implemented features including JWT user authentication, CRUD operations for categories, best product lists logic, pagination, search filter logic, report and block list functionality, and efficient data structure-based S3 image uploads and removal.

● developed an asynchronous chat system and notification system using Django Channels(web socket), Redis, Elasticache
● architected the infrastructure, and deployed using AWS services such as Elastic beanstalk, Elasticache, EC2, S3, RDS, Route53, ECS, Implemented security measures with IAM, MFA, and Certified Manager, containerized the application with Docker, and optimized AWS costs
● produced REST API documentation using Swagger and collaborated closely with frontend developers to deliver robust REST APIs.
● utilized Redis to optimize post retrieval, reducing response time
● achieved a test coverage of 95% through pytest testing and employed Django seed for data pre-generation
● designed and modified database architecture as requested and separated test DB and production DB

Tools used: Django, Django Rest Framework, Python, Git, AWS, Docker, EC2, Elastic Beanstalk, ECS, Elasticache, MySQL, Postman, VSCode

SOFTWARE ENGINEER | InterMD | May 2021 - Dec 2021
● simultaneously developed fullstack web and mobile applications using JQuery and Java Spring.
● analyzed extensive legacy codebases to integrate new features and refactor complex code structures

Project Highlights:
● **Suggest Recommend Page & Management Pages:** created user-friendly submission and management pages, incorporating features like excel downloads, text message sending, notification sending, AWS S3 file uploads, search filters, pagination, AJAX, and CRUD operations.
collaborated closely with tech managers, senior developers, PMs, UI/UX designers, and publishers.

● **Morpheme Analytics Tool**: designed UI and software architecture, preprocessing data from Elasticache and applying advanced algorithms to identify keywords for posts and match them with relevant pages. developed pages for keyword and related page link management.

● **Meeting Room Booking Service:** designed UI and database structure, independently built weekly and daily schedulers with booking functionality, and refactored the finished project.

Tools used: Java, Spring, JavaScript, JQuery, MySQL, HTML, CSS, SVN, Git, Eclipse

TRADING EXECUTIVE | The Hut Group | October 2018 - July 2019
● spearheaded efficient analytics reporting on extensive databases using SQL.

CERTIFICATION
Engineer Information Processing (National Technical Qualification Certificate)
August 2021
● The national certificate examines computer science knowledge(requirement, UI, database, development, security, test, network, and coding)

EDUCATION
Intensive Web Development Course | May 2020 - December 2020

● completed a comprehensive web development course focused on building practical skills.
● **Safe Babysitter Matching Platform Service:** designed the database structure and user interface for various key pages, including search page, profile page, certification page, like page, transaction API, map API integration, file upload, pagination, AJAX implementation, search filters, and CRUD operations.

Tools used: Java, Spring JavaScript, JQuery, SQL, Oracle, HTML, CSS, Bootstrap, Git, Eclipse

Ewha Womans University | International Business and Economics | March 2014 – August 2018

Bellevue Christian School | September 2009 - June 2013
● Achievements: 3.98/4.0 GPA, National Honor Society, High Honor Roll
● Math: AP Calculus A 5, AP Calculus B 5, TMSCA(Texas Math and Science Coaches Association) 1 st place, Washington State Math Competition 1st Place