



## Christy Choi

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## PROFILE

Passionate and experienced software engineer with two years of commercial experience, capable of working within Back-end, Web Applications, and Business Service (API) development. I gained knowledge and expertise in design, development, testing, deployment, and maintenance of software systems while working as a Fullstack Java Developer at a stable healthcare startup and a Django Developer at an early stage platform startup. I am adept at bringing forth my skill set in working with cross-functional teams and contributing to the company's growth. Proficient in various platforms and languages. A strong leadership, exceptional problem-solving skills, critical thinking, and excellent analytical skills make me a professional team player. I have worked and lived in the UK, Europe, and the US, so I speak perfect English and I'm very easy to work with. I'm currently working on a contract job in Korea and I'm interviewing in London. The best time for me to be interviewed is between 12pm and 2pm GMT. Please send me an email to set up a zoom call.

## PROFESSIONAL AND TECHNICAL SKILLS

### Python, Django Rest Framework

- able to write different data structures for efficient usage
- developed with REST APIs, CRUD, Signals, Channels(Web Socket), Selenium, Pytest, etc
- comfortable with both ORMs and RDBMS

**Java, Spring, HTML, CSS, Bootstrap, JavaScript, JQuery, Next.js, PostgreSQL, MySQL, MariaDB, Oracle, HeidiSQL, AWS** (Elastic beanstalk, EC2, ECR, ECS, S3, RDS, Route53, IAM, MFA, Certified Manager), **Docker, Github Actions (CI/CD), Linux, Redis, Git, Github, VSCode, Postman**

## PERSONAL SKILLS

Communication, Ability to Work, Problem-solving, Quick learner, Fast-paced progress, Goal and process driven, Leadership, Teamwork, Efficiency, Planning, Time management, and Conflict resolution.

## EXPERIENCE

### DJANGO DEVELOPER

Ugly Stone

Jan 2021 – Present

- built the entire production-level backend application for a recycling trading platform and successfully deployed and handled all the deployment issues on my own as the only backend developer of the team
- ditched and rebuilt multiple times with different approaches as the early stage startup delivers fast, vague, unstable requirements—eventually helped me trying and learning various ways for developing the backend application.

- designed software architecture and developed jwt user authentication, CRUD for each categories, best product lists logic, pagination, search filter logic, upload and remove S3 image using efficient data structure
  - developed an asynchronous chat system and notification system using Django Channels(web socket), Redis, Elasticache and added report and blacklist for chat users
  - deployed using AWS(Elastic beanstalk, Elasticache, EC2, S3, RDS, Route53, etc), added security with IAM, MFA and Certified Manager, and dockerised the application with dockerfile
  - attached swagger and closely worked with the frontend developer to deliver REST APIs.
  - used redis for getting each post to optimise the performance from +100ms to 10~15ms
  - tested using pytest, factoryboy, and used django seed to pregenerate data
- Tools used: Django, Django Rest Framework, Python, Git, AWS, Docker, EC2, Elastic Beanstalk, Elasticache, MySQL, Postman, VSCode

### **Side Project: Pribos - Freelancer Assistance Service**

**July 2022 - September 2022**

- designed software architecture and built a backend application for freelancing translators to manage their schedule and income efficiently with the team of 4 (2 frontends, backend, machine learning)
  - developed Google social login, jwt user authentication, CRUD
  - customised admin and exception handlers and attached swagger for the frontend
  - ensure PEP8 style code quality by using flake8
- used git to control version
- deployed with docker, ECR, EC2, ECS
  - automised build for frontend developers and deployment process using github actions
- Tools used: Django, Django Rest Framework, Python, Git, AWS, Docker, EC2, ECR, ECS, Github Actions, PostgreSQL, Postman, VSCode

### **FULL STACK JAVA DEVELOPER**

InterMD

May 2021 - Dec 2021

- built fullstack web and mobile applications simultaneously by using JQuery and Java Spring
  - analysed thousands of lines of legacy codes to add new features and refactor as the company had extremely lengthy and complicated codes for all the projects
- Tools used: Java, Spring, JavaScript, JQuery, MySQL, HTML, CSS, SVN, Git, Eclipse

### **Project: Suggest Recommend Page & Management Page**

October 2021 - December 2021

- built pages for users to submit a suggest form and management page to check and reply
- Designed database architecture and added web and mobile features such as excel download, send text message, send notification, AWS S3 file upload, search filter, pagination, ajax, and CRUD
- closely worked with the tech manager, senior developer, PM, UI/UX designer, and publisher

### **Project: Morpheme Analytics Tool**

July 2021 - September 2020

- designed UI and the software architecture, and preprocessed data from Elasticache and applied the best algorithm method to find keywords for each posts and matched with the most similar page

- build pages for management to create, view, edit, refresh, delete the keywords and the related page links

### **Project: Meetingroom Booking Service**

May 2021.5 - July 2020

- designed the UI and the database structure, and built the weekly and daily scheduler with a booking feature all on my own and refactored the finished project

### **TRADING EXECUTIVE**

The Hut Group

October 2018 - July 2019

- drove efficient analytics reporting on extremely large databases by 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

**Bootcamp Project:** Dolbommon - safe babysitter matching platform service

- Designing database and UI for search page, profile page, certification page, like page, transaction api, map api, file upload, pagination, ajax, search filter, and CRUD
- Skills Acquired: 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

Grades and Achievements: 3.98/4.0 GPA, National Honor Society, High Honor Roll

- AP Calculus A 5, AP Calculus B 5, TMSCA(Texas Math and Science Coaches Association) 1st place, Washington State Math Competition 1st Place