



## 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. 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 blocklist 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
  - automated 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