

# Christy Choi

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## **PROFILE**

Versatile Software Engineer with three years of commercial experience with a strong focus on backend development, along with frontend and cloud infrastructure skills. Strong collaborative abilities with a passion for solving complex technical challenges, committed to delivering high-quality, efficient solutions on time.

## **EXPERIENCE**

### **SOFTWARE ENGINEER | WareValley | March 2024 – Sept 2024**

- Set up virtualisation machines like VMware and VirtualBox, and configured Linux-based systems such as Ubuntu and CentOS;
- Streamlined DevOps by setting up CI/CD pipelines using Jenkins, Gitlab, and Docker;
- Installed and configured databases such as MySQL, Oracle, PostgreSQL, MariaDB, and MongoDB and reviewed hundreds of queries for each;
- Designed and implemented an interpreter using the interpreter design pattern to translate MongoDB shell commands to Java, integrating business logic and algorithms;
- Tools used: Java, SpringBoot, TypeScript, React, HTML, CSS, Styled components, Git, GitLab, Jenkins, Docker, PostgreSQL, MongoDB, Oracle, MySQL, MariaDB, Centos, Ubuntu, VMWare, VirtualBox

### **SOFTWARE ENGINEER | OrangeShine | August 2023 – Dec 2023**

- Seamlessly integrating full stack functionalities into legacy code, modernising systems to meet current industry standards and enhance user experiences;
- Tools used: Django, Python, JQuery, React, HTML, CSS, TailwindCSS, Git, BitBucket, Sourcetree, AWS, SQL Server, Jira, Confluence, PyCharm

### **SOFTWARE ENGINEER | Ugly Stone | Jan 2022 – June 2023**

- Designed software architecture and implemented key features, including authentication, CRUD operations, image handling, and a notification and chat system, with 95% test coverage and REST API documentation.
- Architected and deployed AWS services, implemented security measures, resolved issues to ensure smooth operation;
- Tools used: Django, Python, Git, AWS, Docker, EC2, Elastic Beanstalk, ECS, Elasticache, MySQL, VSCode

### **SOFTWARE ENGINEER | InterMD | May 2021 – Dec 2021**

- Created user-friendly management system, incorporating features like excel downloads, text message sending, notification sending, AWS S3 file uploads, search filters, pagination, AJAX, and CRUD operations;
- Designed a morpheme analytics tool to preprocess data from Elasticache, applying algorithms to identify keywords and match them with relevant pages;
- Developed meeting room booking service containing weekly and daily schedulers;
- 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;

## **EDUCATION**

### **MSc Computer Science | Queen Mary University of London | Sept 2024 – Sept 2025**

- Introduction to Software Engineering, Risk and Decision-Making for Data Science and AI, Computer Architecture and Networks, Security and Authentication, Database Systems, Computer Programming, Interactive System Design, Data Analytics
- Societies: Computer Science Society, Women STEM Society, Fintech Society, Machine Learning Society

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

### **Bellevue Christian School | September 2009 – June 2013**

- Achievements: 3.98/4.0 GPA, Math: AP Calculus A 5, AP Calculus B 5, TMSCA(Texas Math and Science Coaches Association) 1st place, Washington State Math Competition 1st Place;

## **CERTIFICATIONS**

### **Github Foundations Certification | February 2025**

### **AWS Solutions Architect Associate | December 2024**

### **AWS Certified Cloud Practitioner | July 2024**

### **Engineer Information Processing (National Technical Qualification Certificate) | August 2021**

### **Intensive Web Development Course | May 2020 - December 2020**

- Developed a safe babysitter matching platform service with functionalities such as search, profile, certification, like, transaction API, map API integration, file upload, pagination, AJAX, search filters, and CRUD operations;
- Tools used: Java, Spring, JavaScript, JQuery, SQL, Oracle, HTML, CSS, Bootstrap, Git, Eclipse