Christopher Lee

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Skills

Programming Languages	Java, Javascript, Python
Frameworks and Technologies	Spring Boot, IBM MQ, Karate, MySQL, OracleDB
Tools	Git, Maven, Intellij, Mockito, Junit, Jenkins, Jmeter, Postman, PCF

Work Experience

CLPS Global
Hong Kong

JAVA DEVELOPER
Jun 2024 - present

- Consulted for Dah Sing Bank working on the FPS, Open API, and BOSS team
- Enhanced the bank's push notification system in Java, enabling it to trigger notifications for FPS transactions, reducing operating costs by minimizing SMS notifications
- Optimized the OpenAPI Transactions API by implementing pagination in Spring Boot, allowing clients to retrieve transactions in smaller chunks, reducing server load and improving response times
- Designed and Developed a Java batch job to automate daily data downloads from Jetco and PGP file decryption, streamlining operational processes

International Business Machines (IBM)
Hong Kong

ANALYST PROGRAMMER (CONTRACT VIA PERSOLKELLY)
Dec 2020 - May 2023

- Consulted for a multinational bank based in Singapore, working as a backend engineer to help migrate core banking functionality from a monolithic to a microservices architecture using Spring Boot
- Coordinated with Solution Engineers and Business Analysts to implement an FX feature calling various subsystems with asynchronous calls and caching data to Aerospike, resulting in a 60% reduction in execution time
- Designed a solution to migrate a regularly updated library from the Internet banking and Mobile banking systems to a dedicated microservice, which minimizes production risks by focusing updates solely on the microservice
- Developed in a CI/CD environment, and worked with DevOps to identify and resolve issues on the Jenkins pipeline

Risksis Technology Limited
Hong Kong

SOFTWARE ENGINEER INTERN (PLACEMENT YEAR)
Jul 2018 - Jul 2019

- Developed a web-based system analyzing the job market in Hong Kong as a Fullstack Engineer
- Built a web page summarizing the data and giving the client a brief overview of the data collected allowing them to make decisions on tuning the algorithms on the data pipeline, utilizing MySQL's aggregate functions
- Maintained and extended a web crawler system to collect data from an additional 6 data sources using Java and stored the data in a MySQL database
- Contributed to the data pipeline by designing and developing a process to categorize companies by industry using fuzzy matching techniques

Education

Swansea University
Swansea, Wales

BSC. IN COMPUTER SCIENCE
2016 - 2020

Graduated with First honours, achieving an average mark of 87.7%

Hong Kong Academy
Hong Kong

INTERNATIONAL BACCALAUREATE DIPLOMA
2014 - 2016

Projects

Project Cookbook (In Development)

PERSONAL

- Project cookbook is a web application to store recipes and schedule meals
- Implemented the backend using Golang Go-Chi framework and Firebase for user authentication, with a ReactJs frontend

Spotify Sync

PERSONAL

- Spotify sync is a Chrome browser extension that synchronizes music played on Spotify with a group of friends
- Utilizing the jQuery library to monitor user events on the Spotify web player, and SocketIO with an ExpressJS server to emit events back to other users