

# Chi-Chung (Alvin), Au

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Manchester Area, United Kingdom, M3 4BD  
BNO Visa and eligible to work in UK without requiring company sponsorship

## PROFESSIONAL SUMMARY

Experienced Software Engineer with 3+ years of expertise in designing and developing scalable, secure Java-based applications. Specialising in Java Spring Boot, micro services architecture, and React, I am dedicated to consistently delivering high-performance software solutions on time. Passionate about improving system performance and collaborating effectively with cross-functional teams to drive innovative solutions and streamline business processes.

## WORK EXPERIENCE

### Java Developer

Nov 2022 – Nov 2023

IBM – Hong Kong

As a Consultant Programmer at The Bank of East Asia, I played a key role in delivering new features to the BEA Mall credit card reward mobile application. I contributed to both backend, frontend development, and product support to ensuring consistency and efficiency.

- Designed and implemented RESTful APIs using Java Spring Boot and Microsoft SQL Server for CMS and the mobile application, enabling seamless communication between the application's micro services.
- Collaborated closely with the BA team and UX professionals to develop new features for the CMS using Vue.js and authored comprehensive SDLC and test case documentation, supporting project quality assurance.
- Utilised Jenkins for seamless deployment of mobile app BFF micro services and the CMS backend on IBM WebSphere Application Server. Monitored operational status through Red Hat OpenShift, ensuring high availability.
- Analysed logs with Kibana to troubleshoot and resolve production issues, maintaining application integrity.

### Programmer

Oct 2021 – Oct 2022

ICO Limited – Hong Kong

As a Consultant Programmer at OCBC Bank, I contributed to the mobile banking application's BAU and 24/7 production support.

- Contributed to the development and support of a mobile banking application for OCBC Bank, utilising Java for backend and Apache Cordova, ReactJS, Kotlin, and Swift for native application frontend.
- Developed automated deployment processes, enhancing deployment speed and accuracy.
- Resolved build issues with Jenkins and optimised alpha builds using Firebase app distribution, achieving a 25% reduction in processing times.
- Implemented unit tests based on tester feedback, improving software quality by 30%.
- Collaborated in troubleshooting and logging over 80 vulnerabilities identified by Fortify.
- Managed app shielding on production builds with Promon Shield, successfully publishing the app on Google Play Console and App Store Connect.

**Programmer****Sep 2020 – Oct 2021**

SmarTone Telecommunications Holdings Ltd. – Hong Kong

As a Programmer at SmarTone, I made contributions to the Enterprise Product Catalog, a revamp of the internal web application for retail store kiosks. This project aimed to enhance the user experience and streamline the checkout processes.

- Developed the user interface using AngularJS and collaborated on backend services with Java Spring Boot and Oracle database (PL/SQL).
- Assisted senior developers in implementing payment features, enabling order displays, payment information input, and special handling fee generation.
- Refactored legacy code to improve system performance, achieving a 20% increase in application speed and significantly reducing server load.

**EDUCATION****The Open University of Hong Kong****Sep 2018 – Aug 2020**

Bachelor of Computing with Honours in Internet Technology – Hong Kong

- Conferred qualifications assessment by UK ENIC.

**Hong Kong Institute of Vocational Education****Sep 2015 – Jul 2017**

Higher Diploma in Software Engineering – Hong Kong

- Conferred qualifications assessment by UK ENIC.

**TECHNICAL SKILLS****Frontend Languages / Frameworks / Libraries**

HTML, CSS, SCSS, JavaScript, TypeScript, React.js, Redux, Vue.js, Angular.js, Kotlin, Swift, Apache Cordova, Ionic

**Backend Languages / Frameworks**

Java, Java EE (Spring Boot, MVC, REST, SOAP, Hibernate JPA, JSP, Maven, Gradle, JBoss, Tomcat, Micro Services, XML), Node.js, C# (.NET, ASP.NET)

**Databases**

SQL, MySQL, Microsoft SQL Server, Oracle Database, PL/SQL, PostgreSQL, MongoDB

**Others**

IBM WebSphere, OpenShift, Redis, GraphQL, Apache Kafka, RabbitMQ, Swagger, Kibana, Postman, Proxyman, JUnit, JMeter, Jenkins, Jira, Git, Docker, Kubernetes, AWS, Firebase App Distribution, Linux, Bash Script, PowerShell, Agile, Scrum, Microsoft Office

**Languages**

English (Intermediate), Cantonese (Fluent), Mandarin (Intermediate)