

TERRY CHONG ZI YI

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CAREER SUMMARY:

Solution-oriented **Senior Software Developer & System Analyst** with expertise in **legacy system modernization, microservices architecture, and enterprise solution design**. Skilled at bridging business needs and technical delivery, with proven experience in **defining architecture standards, building foundational frameworks, and leading modernization initiatives**. **Provided technical leadership by managing and mentoring teams of 3–4 developers** across all major projects, ensuring delivery of scalable, high-quality solutions within project timelines.

WORK EXPERIENCE:

QR Retail Automation | Selangor, Malaysia

System Analyst | Feb 2025 – Present

- Led a team of 3–4 developers across modernization projects, re-architecting legacy ERP systems into a microservices-based architecture with NuxtJS/VueJS frontend and Spring Boot backend.
- Defined and enforced project architecture standards, coding practices, and reusable components, accelerating delivery and improving maintainability.
- Designed and implemented POCs to validate new frameworks and technologies, guiding adoption decisions.
- Leveraged Amazon Q to accelerate documentation and streamline function development.

Tech Stack: NuxtJS, VueJS, Java Spring Boot, PostgreSQL, MyBatis, RabbitMQ, MongoDB, REST API, Amazon Q

Senior Software Developer | Feb 2023 – Feb 2025

- Led a team of 2–3 developers project development with Spring Boot backend.
- Spearheaded the AgoraCloud E-Invoice System (ACE), designing integration flows with government SDKs, building batch jobs in Spring Boot, and deploying solutions on AWS.
- Improved system performance and cross-database compatibility by introducing standardized SQL query practices.
- Collaborated with Business Analysts and System Admins to align solutions with business needs and ensure smooth deployment.
- Leveraged Amazon Q to accelerate documentation and streamline function development.

Tech Stack: NuxtJS, VueJS, Java Spring Boot, PostgreSQL, MyBatis, RabbitMQ, MongoDB, REST API, Amazon Q

Software Developer / Senior Software Developer | Feb 2022 – Feb 2024

- Selected to join the Company's Management Development Program (2022–2024), an accelerated leadership track for high-potential employees.
- Trained in strategic planning, leadership, and cross-functional collaboration, preparing for rapid career progression and larger solution ownership.
- Applied program learnings to project leadership, mentoring junior developers, and driving modernization initiatives.

Software Developer | Aug 2020 – Feb 2023

- Developed and enhanced ERP modules as a full-stack engineer, building UIs with JSP/JavaScript and backend services with Spring Boot and REST APIs.
- Led 1–2 junior developers in project delivery, providing mentorship, code reviews, and technical guidance.
- Standardized frontend structures and SQL query writing practices, improving UI consistency and reducing query performance issues.
- Designed and implemented AgoraCloud Omnichannel (OMC) integrations with Shopee, Lazada, TikTok, Grabmart, and Tokopedia.
- Ensured business continuity by migrating Shopee integrations to API V2 before the V1 shutdown deadline.

Software Developer | Aug 2020 – Feb 2023

- Contributed to the modernization of AgoraCloud Merchandising Management (ACMM), implementing master functions and transactional modules with improved UI/UX design.
- Provided on-site client support, resolving critical programming issues and tailoring modules to customer requirements.
- Participated in intern recruitment as a technical interviewer, assessing candidate skills and culture fit.
- Contributed to talent pipeline development, supporting the company's graduate and trainee programs.

Tech Stack: JSP, Java, Spring Boot, JavaScript, JQuery, PostgreSQL, MyBatis, REST API, Servlet

Trainee | Feb 2020 – Aug 2020

- Contributed to ERP modernization efforts as part of the fresh graduate program, focusing on module development and UI implementation.
- Collaborated with Business Analysts and UI/UX team to translate Figma designs into functional ERP modules.
- Gained hands-on experience in on-site client support, assisting in resolving urgent programming issues and ensuring stable operations.

Tech Stack: JSP, Java, Spring Boot, JavaScript, JQuery, PostgreSQL, MyBatis, REST API

KEY PROJECTS:

AgoraCloud E-Invoice System (ACE)

Led the end-to-end architecture and development of a new e-invoicing microservice, integrating with government LHDN SDKs for compliance. Designed for high-volume batch processing and deployed on AWS, serving as a critical new product offering.

AgoraCloud Omnichannel (OMC)

Engineered and maintained core integrations with four major e-commerce platforms (Shopee, Lazada, TikTok, GrabMart), synchronizing data for orders, inventory, and product listings. Ensured zero downtime during the critical migration from Shopee API V1 to V2.

PROFIT Modernization

Rebuilding the frontend for improved user experience and involved in designing scalable backend services with Spring Boot, enhancing system performance and usability.

EDUCATION:

Tunku Abdul Rahman University of Management and Technology | 2016 – 2020

Diploma in Computer Science

Bachelor of Computer Science (Hons) in Software Engineering

HONORS & REWARDS:

International Conference on Digital Transformation and Application (ICDAX) | 2020

- Gold Award (Multi-Lingual Storybook Reader)
- Best Poster Award

Management Development Program | 2022 – 2024

- *Selected by QR Retail Automation for fast-track leadership training program*

SKILLS:

- **Frontend** – TypeScript, JavaScript, Tailwind CSS, Bootstrap, jQuery, Nuxt.js, React.js, Vue.js
- **Backend** – Java, Spring, Spring Boot, MyBatis, Oracle, PostgreSQL, MongoDB, RabbitMQ, Microservices, Webhook, REST
- **Tools/DevOps** – Linux, Git, Gitlab, IntelliJ IDEA, CICD, AWS (CICD, EC2, ECS, Lambda, S3, Aurora, RDS, Amazon Q)
- **Language** – Chinese (Native), English, Cantonese, Malay