

RIO GARQUE GESULGON

Java, J2EE, Spring Boot, Typescript, JavaScript, Angular, Backend, Fullstack

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SUMMARY

Senior Software Engineer with 19+ years of experience building backend and full-stack systems across banking, enterprise software, and AI-driven products. Combines deep Java and Spring Boot expertise with modern web development and machine learning integration to deliver scalable, reliable solutions. Led and contributed to products from architecture through production, including a patented counterfeit detection solution and high-impact platforms used in live environments.

EDUCATION



Bachelor of Science, Software Engineering
Central Philippine University

01/2000 - 12/2005

EXPERIENCE



Senior Fullstack Engineer
SICPA

04/2023 - Present
Malaysia

Build and maintain backend, web, and desktop solutions supporting AI- and search-driven product experiences using Java, Spring Boot, Angular, JavaFX, Kafka, Postgres, Keycloak, Docker, and Linux.

- Deliver production services that power AI and search experiences across products, with a focus on quality, scalability, security, and long-term maintainability.
- Contribute to system design and code reviews, helping maintain a clean, well-documented codebase and stronger engineering standards across the team.
- Coordinate technical delivery with internal and external partners, translating product requirements into executable engineering work.
- Support teammates in planning and executing technical deliverables, improving delivery quality and team effectiveness.
- Help other team members plan and execute technical deliverables with the required quality.
- Participate in the success of internal and external partner relationships.
- Coordinate and orchestrate product requirements gathered from partners.



Mobile Backend Developer
SICPA

06/2019 - 04/2023
Malaysia

Delivered backend services, web applications, and computer vision solutions for mobile and enterprise products using Java, J2EE, Spring Boot, Angular, and Python.

- Built and maintained Java Spring Boot API services that enabled core mobile application functionality with strong emphasis on reliability, security, and scalability.
- Developed and supported Angular web applications, contributing to end-to-end delivery across frontend and backend components.
- Developed computer vision models, supporting applications, and internal development tools using Python to expand machine learning capabilities.
- Participated in design reviews, code reviews, and cross-functional coordination to improve delivery quality and align technical work with partner requirements.
- Helped plan and execute technical deliverables across the team while staying current on AI and search-related developments.
- Participate in the success of internal and external partner relationships.
- Coordinate and orchestrate product requirements gathered from partners.
- Delivered high-quality API services using Java Spring Boot to power features for mobile applications.
- Maintained scalability, security, and reliability of backend services to support seamless user experience.



Development Lead
Standard Chartered Bank

01/2017 - 06/2019
Malaysia

Lead the development, delivery, and maintenance of multiple projects using Java, J2EE, Spring Boot, Oracle, MQ, and Docker.



SKILLS

Java • Spring Boot • J2EE • TypeScript •
JavaScript • Angular • Python •
Spring Security • Keycloak • OAuth •
REST APIs • GraphQL • gRPC • Kafka •
PostgreSQL • Oracle • MongoDB •
Cassandra • Docker • Ansible • Linux • Git •
Maven • Gradle • JUnit • Cucumber •
SonarQube • Machine Learning • LLMs •
GitHub Copilot • Kotlin • Elixir • Git • JPA •
Backend • Keycloak • OAuth • HTML • CSS •
PHP • Assembly • Cassandra • MongoDB •
JSON • Go • Golang • Rust • Lazygit •
Selenium • AI • LLM • Copilot

CERTIFICATIONS

Device-based Models with
TensorFlow Lite
DeepLearning.AI

Convolutional Neural Networks in
TensorFlow
DeepLearning.AI

Introduction to TensorFlow for
Artificial Intelligence, Machine
Learning, and Deep Learning
DeepLearning.AI

Sun Java 5 Certified Programmer
Sun Microsystems

Certified Scrum Developer (CSD)
Scrum.org

KEY ACHIEVEMENTS

💎 Machine Learning Patent
Authored a patented ML solution detecting counterfeit products, filed with the European Patent Office.

💎 Hackathon 1st Place
Won 1st place in company-wide hackathon, showcasing mastery of machine learning technologies for developing object detection models and deploying to mobile phones for inference.

EXPERIENCE



Senior Software Engineer

08/2012 - 12/2016

HSBC Software Development Malaysia

Malaysia

Developed banking solutions using Java, J2EE, Spring, Adobe Flex, Struts and Maven for the Global Business Funds department.



Integration Analyst

08/2011 - 07/2012

DHL IT Services

Malaysia

Developed the Electronic Proof of Delivery modules using Java, Spring, Apache Struts, Maven, and Git for the courier service.



Senior Developer

06/2011 - 08/2011

Sabre Airline Solutions

Philippines

Guided junior developers and provided training; introduced software testing using Java technologies, Junit, and Sonar.



Senior Developer

04/2007 - 04/2011

Lawson Software

Philippines

Developed frontend components for the company product used by multiple medium scale retail companies globally using Java. Developed a web platform built from the ground up using Java servlet technology.



Java Developer

09/2006

5DB Consulting

Philippines

Developed the internal sales opportunity management system for Fujitsu Philippines using C#, .Net, and java backend components.



Project Automation Intern

06/2005

Flour Daniel Inc.

Philippines

Developed project automation and inventory management utility programs using PHP.

KEY ACHIEVEMENTS



Extensive Experience

Designed and developed services still running in production, encompassing years of operation.

LANGUAGES

English

Proficient

