ERSKINE DUENAS

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SKILLS

Programming	Java, TypeScript, JavaScript, NodeJs, Python, SQL, Redis, OracleDB
Frameworks	Spring Boot, Express, React, Vue, Next, Tailwind CSS
DevOps	Docker, Kubernetes, Jenkins, Amazon Web Services (AWS)

EXPERIENCE

Assistant Research and Development Engineer   Jan 2024 - Present
Advanced World Solutions, Inc.   *Alabang, Philippines*

- Power Trading System (Confidential): Maintained and enhanced a high-frequency trading platform in Japan for a regulated market using Java (Spring Boot) and Vue.js.
- Implemented unit testing with JUnit, achieving 90%+ code coverage and increasing system performance by 20%.
- Managed project tasks and tracked progress using Redmine, ensuring timely delivery of features in an Agile (Scrum) environment.
- Migrated a legacy property management system(C# .Net 4.3 & Java 1.4) to a microservice architecture using ReactTS, ExpressTS, and AWS modernizing over 500 screens and 800 APIs serving 1M+ users.
- Utilized Excel for data analysis, track migration progress and identify bottlenecks.
- Conducted code reviews using SonarQube and Jest, ensuring adherence to best practices and reducing technical debt.
- Designed and documented RESTful APIs using OpenAPI Specification, ensuring clear communication between frontend and backend teams.

Junior Research and Development Engineer   Oct 2022 - Jan 2024
Advanced World Solutions, Inc.   *Alabang, Philippines*

- Completed extensive training on modern software development practices, including Agile methodologies.
- Gained hands-on experience in Git, unit testing, integration testing, and end-to-end testing, ensuring high-quality software delivery.
- Documented technical processes, including API specifications, and deployment procedures, to ensure knowledge sharing and team alignment.

CERTIFICATIONS & TRAINING

- AWS Center for Technology Incubation (ACTION) Training – ESD Track
  - Training in IT concepts, JavaScript, Java, MySQL, business fundamentals, and Japanese language (N5 & N4 levels).
- JSA Certification – Associate-level certification demonstrating advanced expertise in JavaScript, Object-Oriented Programming, and functional programming patterns.
- JSE Certification – Entry-level certification demonstrating proficiency in JavaScript fundamentals, including core syntax and program development.
- ServiceNow Developer Certification – Demonstrated expertise in ServiceNow platform development, including scripting, workflow automation, and custom application development.

EDUCATION

BS in Electronics and Communication Engineering (BSECE)   2018 - 2022
Technological University of the Philippines Manila   *Manila, Philippines*