

ERSKINE DUENAS

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SKILLS

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

EXPERIENCE

Assistant Research and Development Engineer	Jan 2024 - Present
Advanced World Solutions, Inc.	<i>Alabang, Philippines</i>

- Maintained and enhanced OGIS Trading Manager, a power trading system for the Japanese electricity market, ensuring real-time transaction handling with Java (backend) and Vue.js (frontend).
- Optimized Java code, increasing system performance by 20%.
- Migrated a legacy property management Windows desktop application (C# .Net 4.3 & Java 1.4) to ReactTS, ExpressTS, and AWS, modernizing over 500 screens and 800 APIs serving 1M+ users.
- Improved React application test coverage by 12%, increasing reliability.

Junior Research and Development Engineer	Oct 2022 - Jan 2024
Advanced World Solutions, Inc.	<i>Alabang, Philippines</i>

- Developed and maintained full-stack applications using Java, Vue.js, and AWS.
- Participated in software optimization and migration projects for enterprise clients.
- Completed extensive training on modern software development best practices.

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 – Advanced expertise in JavaScript, Object-Oriented Programming, and functional programming patterns
- JSE Certification – 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	<i>Manila, Philippines</i>