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   July 2024 - Present
Advanced World Solutions, Inc.   *Alabang, Philippines*

- Maintained and enhanced the OGIS Powertrade platform, a power trading system for the Japanese electricity market, utilizing Java for backend and Vue.js for frontend ensuring smooth real time transaction handling.
- Improved system performance by 20% through optimization of Java code.
- JSA Certification: Demonstrating advanced expertise in Object-Oriented Programming, functional programming patterns, and modern JavaScript development best practices

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

- Migrated legacy property management Windows Desktop Application from C# .Net 4.3 and Java 1.4 to ReactTs, ExpressTS and AWS consisting of more than 500 screens and 800 APIs serving over 1M users.
- Increased React.js application test coverage by 12% improving reliability.
- Completed the AWS Center for Technology Incubation(ACTION) Training ESD Track, gaining knowledge in IT concepts, JavaScript, Java, MySQL, business fundamentals, and Japanese language (N5 & N4 levels)
- JSE Certification: Demonstrated proficiency in JavaScript fundamentals, including core syntax and semantics, with proven ability to design and develop basic JavaScript programs

EDUCATION

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