ERNESTO DONADO

SOFTWARE ENGINEER

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SKILLS

React JS | Redux | SQL| AWS | S3 TypeScript | MySQL

RESTful APIs| Linux | Vite | Git, GitHub | JavaScript | Flask | CSS | Spring, Scrum | Jira | Agile | CI/CD

Java | PostgreSQL | Data Structures | Algorithms | Python, EC2 | Lambda | Docker | Jenkins

PROFESSIONAL EXPERIENCE

MONITORING SYSTEMS, Front End Developer **May 2023 - Dec 2023**

- Boosted page load speed by 40% through optimization of JavaScript, lazy loading images, and implementing CDN, resulting in a 20% decrease in bounce rate and improved user experience.
- Led the development of a responsive web application using React and Redux, increasing mobile traffic by 25% and reducing support tickets related to mobile usability by 30%.
- Reduced API response time by 50% by optimizing front-end requests and refactoring code, significantly improving data retrieval times and increasing overall user satisfaction by 15%.

PDVSA Petróleos de Venezuela S.A.,Software Engineer **Feb 2023 - Apr 2023**

- Boosted department efficiency by 20% by developing and implementing a web-based automated tool using JavaScript, MySQL, and Django, enabling petroleum engineers to seamlessly monitor extraction and production data across 100+ wells in real time.
- Led the migration of outdated Excel spreadsheets into a robust, fully automated SQL Server database, leveraging Python and Django, streamlining data management, and reducing manual data entry time by 75%.
- Significantly improved data accuracy and decision-making speed, reducing reporting time from hours to minutes and empowering engineers to make more informed, timely decisions.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING. **Jan 2019 - Apr 2023**

Universidad Dr. Rafael Belloso Chacin

- Bachelor in Computer Engineering.
- Relevant Coursework: Web Programming, Database Administration, Java, Python, C++, Networking

PROJECTS

- Developed a fully responsive single-page application (SPA) and mobile version, increasing accessibility for 10,000+ users to learn and report gender violence.
- Developed an AI-powered chatbot tailored for engineering and marketing students, which increased average course grades by 15% by providing instant, accurate responses to academic queries.

ADDITIONAL INFORMATION

- **Languages:** English, Spanish.
- **Certifications:** CS50x Computer Science, CS50P programming With Phyton, JavaScript Algorithms and Data Structures, IBM Data Analytics Professional. Certified Java Programmer, Azure Fundamentals. Cisco Networking Associate CCNA, Xamarin, AWS Cloud Practitioner Essentials
- **Awards/Activities:** Collaborated with ZAKKI FOUNDATION as a UX Designer to create a web application with Figma helping poor and marginalized people, particularly the elderly and disabled, in Indonesia.