Julio Lizardo Ravelo

+14848382032 | lizardoravelo@gmail.com | https://www.linkedin.com/in/julio-lizardo/

Summary

Full Stack developer with over 10 years of experience building secure web applications from the ground up. I have improved application security through AWS Cognito integration and reduced load times by 73%. I am skilled in UI/UX design with Figma and React, TypeScript, and in backend development with Node.js, .NET, .NET Core, MongoDB, and SQL databases. As a bilingual professional, I bridge technical complexity with a business perspective, enabling the development of scalable, user-centered solutions.

Skills

languages: Spanish, English
Others: JavaScript, TypeScript, React.js, Redux Toolkit, Node.js, Express, ASP.NET, C#.NET, .NET Core, jQuery, Web Services (REST), Apollo GraphQL, Figma, webpack, MS SQL Server, MySQL, PostgreSQL, T-SQL, Python, AWS Cognito, AWS AppSync, AWS S3, AWS Lambda, AWS CloudFront, Amplitude, Highcharts, Agile methodologies, Jest, React Unit Tests, MSW, SQL Server, HTML, CSS, GitHub, GitHub Actions (CI/CD), Storybook, User Interface Design, Code Reviews.
Certification: Certified ScrumMaster® (CSM®)

Work Experience

Axiom Cloud   California, USA
Senior Software Engineer   Jun 2023 - May 2024

- Enhanced application security by implementing security features and multi-factor authentication using AWS Cognito, aligning with security standards
- Implemented a robust data layer by integrating GraphQL and REST APIs using Redux Toolkit on the frontend and Python-based services on the backend, optimizing data flow and application performance across the stack.
- Achieved a 73% reduction in app load time, decreasing from 3 seconds to 0.8 seconds, significantly improving user experience
- Integrated Amplitude analytics to monitor key user flows and backend events, enabling data-driven decisions across the stack.
- Optimized frontend build pipeline and deployment, reducing bundle size by 66% and improving performance.
- Established automated testing procedures for both frontend and backend services, increasing code reliability and coverage.
- Conducted code reviews for team members, providing constructive feedback to enhance code quality and maintain team coding standards.

BairesDev   Dominican Republic
Senior Software Engineer   Dec 2021 - Jun 2023

- Led the development of a new application interface, aligning UX and accessibility standards with full-stack functionality and seamless integration with backend services.
- Revamped application architecture by optimizing GraphQL queries with the Apollo library, significantly enhancing data retrieval efficiency and system scalability.
- Configured AWS CloudFront for optimized content delivery and AWS Cognito for secure authentication, aligning with security standards
- Built data-driven dashboards and visualizations using Highcharts and Material UI, integrating complex backend data pipelines to enable insight extraction from large datasets.
- Conducted code reviews for team members, providing constructive feedback to enhance code quality and maintain team coding standards.

Ministerio de Educación (MINERD)   Santo Domingo, Dominican Republic
Lead Developer   Apr 2020 - Dec 2021

- Constructed transportation administration software using .NET Core for backend, React.js for frontend, and MS SQL Server, reducing manual processes by 40%
- Streamlined DevOps with Team Foundation Server (TFS) setup, boosting development efficiency and team collaboration by 20%
- Contributed to professor recruitment contest software solution with .NET Core, jQuery, and MS SQL Server, enhancing interview process and workflow by 35%
- Guided junior developers on React.js and .NET Core best practices, fostering a collaborative and supportive development environment.
- Conducted code reviews for team members, providing constructive feedback to enhance code quality and maintain team coding standards.

Junta Central Electoral (JCE)   Santo Domingo, Dominican Republic
Software Developer I   Apr 2019 - Apr 2020
- Collaborated with stakeholders to define and document requirements for new software projects, aligning them with business objectives
- Developed execution strategies integrating architectural design for scalable and maintainable solutions
- Built web applications with .NET Core backend, React.js frontend, and MS SQL Server database, enhancing application performance and user experience
- Designed and built database objects (T-SQL, Stored Procedures, Functions) to ensure efficient data access for new software, enhancing data retrieval speed by 20%
- Engineered web services to streamline application integration, utilizing .NET Core for enhanced interoperability between systems

PROMESE/CAL   Santo Domingo, Dominican Republic
Database Administrator   Apr 2018 - Apr 2019
- Spearheaded optimization of SQL Server databases, delivering peak performance and data integrity while driving a 32% boost in query efficiency.
- Architected and refined complex database objects, including T-SQL queries, triggers, SSIS packages, SSAS cubes, stored procedures, functions, and jobs, accelerating processing time by 41%.
- Orchestrated the configuration and administration of Tableau Server, delivering actionable BI reports through Reporting Services and Tableau, which streamlined reporting processes, enhanced accessibility by 90%, and elevated data-driven decision-making by 85%.
- Designed and deployed web applications seamlessly integrated with Dynamics GP, leveraging Web Services/Econnect and .NET technologies to enable efficient data flow and optimize user experience.
- Developed and implemented a high-performance Web API for POSFP, fully integrated with Dynamics GP, automating order processing and dispatch monitoring to achieve an 87% increase in operational efficiency.

PROMESE/CAL   Santo Domingo, Dominican Republic
Senior Developer   Sep 2014 - Apr 2018
- Optimized and managed IIS servers, ensuring seamless operation and scalability, achieving a 45% improvement in server uptime.
- Streamlined inventory management in Dynamics GP and delivered detailed reports via Reporting Services, enhancing inventory accuracy by 72%.
- Led maintenance and performance tuning of SQL Server databases, developing critical database objects, including T-SQL queries, triggers, SSIS packages, SSAS cubes, stored procedures, functions, and jobs, boosting database performance by 36%.
- Engineered and deployed Web Services to enable seamless communication between software systems, minimizing human errors by 88%.
- Designed and implemented custom software solutions using .NET, jQuery, and MS SQL Server to manage orders and requirements for public institutions, reducing order processing time by 80%.

PROMESE/CAL   Santo Domingo, Dominican Republic
Junior Developer   Feb 2014 - Aug 2014
- Executed in-depth audits of software architecture and performance, pinpointing critical areas for optimization and implementing enhancements that elevated system efficiency by 45%.
- Led the migration of databases from MySQL to SQL Server, ensuring flawless data integrity and optimizing performance to achieve an 89% reduction in query wait times for historical data retrieval.
- Delivered expert-level technical support for—NET-based software, resolving complex issues and troubleshooting user challenges, boosting user satisfaction by 75%.
- Designed and developed a robust software solution to manage smartphones and monitor device statuses, utilizing .NET for the backend, JavaScript for the front end, jQuery for DOM manipulation, and MS SQL Server for data storage. Revolutionized device management processes, achieving a 95% improvement in device assignment efficiency.

Universidad Central del Este - UCE   Santo Domingo, Dominican Republic
Developer   Jan 2013 - Jan 2014
- Optimized and maintained reports in Reporting Services, ensuring the accurate and timely delivery of critical information to stakeholders.
- Delivered comprehensive technical support for .NET-based software, swiftly troubleshooting and resolving user issues to ensure seamless operations.
- Collaborated with a dynamic development team on the Akademia platform, streamlining subject administration for students. Leveraged .NET for backend development, JavaScript for frontend design, jQuery for DOM manipulation, and SOAP/REST web services for efficient data retrieval and exchange, with MS SQL Server as the database backbone.
- Executed a seamless migration of Human Resources data to a newly structured SQL Server database, preserving data integrity and significantly enhancing end-user accessibility.

Education

Apec University   Santo Domingo, Dominican Republic
Bachelor's degree in Software Engineering

Instituto Tecnológico de Las Américas   Boca Chica, Dominican Republic
Mayor Degree in Software Development