

Jesus Rosario | Software Engineer

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PROFESSIONAL SUMMARY

An adaptable Software Engineer with experience in both backend and frontend development. Skilled in building scalable and robust backend systems, RESTful APIs, and dynamic web applications. My experience spans collaborating closely with product owners and stakeholders to translate requirements into effective, future-ready solutions. Recognized for delivering both backend and frontend solutions that are scalable and focused on providing an exceptional user experience. Dedicated to continuous professional development and keeping pace with evolving industry trends.

TECHNICAL SKILLS

Languages & Tools: JavaScript, TypeScript, Node.js, PHP, React.js, MySQL, Docker, Linux

Cloud Platforms: AWS (EC2, S3, RDS, ECS), Azure (AD B2C, API Management)

EXPERIENCE

Senior Software Engineer | Police Records Management Group (PRI)

Jan 2024 - Present

- Developed a user management microservice with Azure AD B2C, significantly enhancing identity management and SSO capabilities. Implemented robust token validation strategies for system reliability and security, while efficiently managing user identities, roles, and permissions. Utilized Redis for session management and built the system with Fastify.js and TypeScript, providing a secure and efficient platform for authentication processes.
- Played a pivotal role in strategic planning and project execution, leading to the timely delivery of key tasks and milestones. My leadership contributed to enhancing team productivity and project efficiency.
- Actively involved in high-level decision-making processes, contributing insights and strategies to enhance overall system performance and user experience.

Software Engineer | Police Records Management Group (PRI)

May 2022 - Jan 2024

- Led the architectural design of Gov cloud software suite, a comprehensive SaaS suite for government blending monolithic and microservices approaches.
- Designed and implemented comprehensive database solutions using MySQL, focusing on user management, tenant subscriptions, and secure payment processing.
- Overhauled the payment system using PHP CodeIgniter and Stripe SDK, greatly enhancing security, user interface, and financial compliance. This revamp led to 100% user satisfaction and completely eliminated payment-related support tickets, showcasing a significant improvement in both user experience and system reliability.
- Implemented an end-to-end migration from AWS Block Storage to AWS S3 SDK for PHP. Achieved significant cost savings (77% reduction) and improved data retrieval times by 40%, enhancing system performance and reliability.
- Implemented email-based Two-Factor Authentication (2FA) through RESTful API integration, significantly enhancing security for user accounts.
- Standardized development environments using Docker, reducing setup times for new projects by 50% and optimizing CI/CD pipeline efficiency.

EDUCATION

New England Institute of Technology, East Greenwich, RI

Associate of Science in Information Technology / Software Engineering