Jesus Rosario | Software Engineer
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PROFESSIONAL SUMMARY

Software Engineer with comprehensive expertise in developing scalable backend systems, RESTful APIs, and dynamic web applications. Adept at leading development teams through the full project lifecycle, from requirement analysis to deployment.

TECHNICAL SKILLS

Languages & Tools: JavaScript, TypeScript, Node.js, PHP, React.js, MySQL, Redis, 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*

- Leading the development of a new multi-tenant SaaS application, with a strong focus on scalability and creating a user-centric experience. This role involves spearheading the project to ensure innovative solutions are developed for enhanced service delivery and operational scalability, emphasizing close collaboration with stakeholders to translate complex requirements into practical, future-proof architectures.
- Actively involved in the high-level decision-making process, my contributions are pivotal in shaping the overall system performance and enhancing the end-user experience, ensuring the project aligns with business goals and industry standards.
- Developed and implemented a Tenant Subscription Management Service, enabling tenants to access multiple applications under a unified billing and subscription model. This service streamlined subscription management processes, significantly enhancing tenant experience and operational efficiency.
- 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.

Software Engineer | Police Records Management Group (PRI)   *May 2022 - Jan 2024*

- Led the architectural and system design of a multi-tenant SaaS application, focusing on scalability, flexibility, and data isolation for core application components.
- Architected and implemented a database design using MySQL for a multi-tenant SaaS application, ensuring scalability, flexibility, and data isolation.
- Overhauled the payment system using PHP CodeIgniter and Stripe SDK, resulting in 100% user satisfaction and elimination of payment-related support tickets.
- Implemented an end-to-end migration from AWS Block Storage to AWS S3 SDK for PHP, reducing costs by 77% and improving data retrieval times by 40%.
- 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