

Jesus Rosario

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Software Engineer

Technical Skills:

- **Languages & Back-End:** JavaScript, TypeScript, PHP, Node.js (Express, Fastify), Go
- **Front-End:** React.js, Next.js, CSS3
- **Databases:** MySQL, PostgreSQL, NoSQL
- **Cloud Technologies:** AWS (EC2, S3, RDS, SES, ECS), Azure (AD B2C, API Management)
- **Tools & Others:** Docker, Linux, Microservices Architecture

Professional Experience:

Software Engineer | Police Records Management Group (PRMG)

May 2022 - Present

- Collaborated with product owners and stakeholders to gather requirements and led the development of a suite of SaaS applications for PRMG.
- Architected and implemented database solutions for the suite, including user management, tenant subscription, secure payment processing, and public records management, enhancing overall system performance and integration.
- Implemented a user management microservice with Azure AD B2C, facilitating centralized identity management and SSO, enhancing user authentication processes.
- Developed a new secure payment service integrating Stripe SDK, improving transaction efficiency and compliance, which contributed to a 15% increase in transaction volume and enhanced user security.
- Led and implemented the end-to-end migration of the application's file storage system from AWS block storage to S3 buckets, achieving a 77% cost reduction and a 40% improvement in data retrieval times, significantly enhancing system availability and security.
- Standardized development environments using Docker, reducing setup times for new projects by 50% and streamlining CI/CD pipelines.
- Mentored and led a team of developers, reducing onboarding time by 30% and significantly boosting project delivery efficiency.

Key Projects:

- **E-commerce Store ([GitHub](#)):** Developed an e-commerce web application with a Node.js and Express.js backend, and a React.js (with Redux) frontend. Integrated PayPal for secure transactions. Tech Stack: Node.js, Express.js, React.js, Redux, PayPal.
- **Bug Tracker Management App ([GitHub](#)):** Built a comprehensive bug tracking tool using Node.js and Express.js for the backend, with a RESTful API, and a React.js frontend employing custom hooks. Implemented JWT for enhanced user authentication and security. Tech Stack: Node.js, Express.js, React.js, JWT, Redux Toolkit.

Education:

New England Institute of Technology, East Greenwich, RI

Associate of Science in Information Technology / Software Engineering