Marco **Ramos**

SENIOR SOFTWARE ENGINEER

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Summary

Full stack engineer with over 11 years of experience architecting enterprise applications for healthcare settings. Node.js developer with over 6 years of experience building RESTful APIs with an emphasis on quality, security, and interoperability. Leader with nearly 4 years of experience supervising agile development teams responsible for supporting and enhancing cloud solutions, a RESTful API gateway, and development tools.

Work Experience

MEDITECH *Westwood, MA*
SOFTWARE ENGINEER | PRODUCT OWNER | SUPERVISOR *2010 - Present*

Recent Projects:

- **Cloud Platform**
  - Researched, designed, and implemented the use of a cloud hosted customer identity and access management platform for a high availability downtime solution.
  - Lead technical resource responsible for the cloud infrastructure needed to support a standalone waitlist application developed in response to the COVID-19 pandemic. The cloud deployment consisted of Google Cloud Identity Platform for identity management, Cloud Firestore for a database and authorization, App Engine for serving static application resources, Cloud Functions for event driven functionality, Cloud Scheduler for CRON jobs to compile statistics, Cloud Monitoring for triggering notifications in order to be proactive.
- **RESTful API Gateway**
  - Ensured strict compliance with open standards such as OpenID Connect, OAuth2, and FHIR. Mitigated security and regulatory concerns as they arose. Satisfied third-party requirements to ensure compatibility and interoperability. Collaborated with external developers to work through and explain implementation details within the API Gateway.
  - Led the design, coding, and deployment of MEDITECH's Greenfield Developer Portal written using Angular and RxJS. Created and optimized reusable components and services for healthcare provider and administrative facing applications. Core developer implementing API gateway and tools for API developers.
  - Documented and scripted the deployment of a complex system using a single node Kubernetes cluster to accelerate the time is takes developers to setup a local development environment from over an hour to under 5 minutes. Trained and mentored developers to use this new tool in their development workflows.
  - Routinely advocated for better developer tooling and processes to improve quality and productivity. Promoted the adoption of test driven development practices. Built a CI service to provide automation between Bitbucket and Jira to improve developer workflows.

Cross-Project Responsibilities:

- Involved in all phases of the agile software development lifecycle from planning through maintenance. This includes determining requirements for a minimally viable product, API and application design, coding, building continuous integration pipelines to generate artifacts, writing and running unit and integration test suites, and deploying to production.

History:

- Hired as a software developer in 2010 to assist on a new suite of oncology applications targeting outpatient cancer clinics.
- Promoted to lead software developer in 2014. Continued to contribute to various oncology applications and general developer experience tools until 2016 when I transferred to the advanced technology division tasked with focusing on MVC and REST.
- Promoted to software engineer and supervisor in 2018 to lead a team of engineers and developers supporting a RESTful API gateway. Appointed the product owner of the RESTful API gateway in 2021.

Skills

Languages	JavaScript | TypeScript | Node.js | PHP | Dart | Bash
Standards	OAUTH2 | OpenID Connect | JWT | OpenAPI Spec | JSON Schema
Databases	SQL - PostgreSQL, MariaDB | NoSQL - Redis, Firestore
Version Control	Git - Bitbucket, GitHub, GitLab | SVN - Fisheye
Libraries	Express | Angular | RxJS | Grunt | Jest | Flutter | Google Cloud
DevOps	Jenkins | Docker | Kubernetes
Agile	Types - Scrum, Kanban | Roles - Scrum Master, Product Owner | Tools - Jira | Confluence | Trello
DevOps	Jenkins | Docker | Kubernetes
Google Cloud Platform	IAM | App Engine | Firebase | Identity Platform | GKE | Functions | Run | Build | Pub/Sub | Monitoring | Logging | DNS

Certifications

2021	**Professional Cloud Developer**, February 2021-2023	*Google Cloud*