

Hector Rubalcava

Systems Architect / Automation Engineer

Distributed Systems Thinker

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Professional Summary

- â€¢ Systems-oriented engineer focused on automation, distributed architecture and cloud platforms.
- â€¢ Combines technical depth with business context in financial and operational environments.
- â€¢ Builds resilient platforms where engineering decisions map to measurable operational outcomes.

Core Strengths

- â€¢ Distributed systems, cloud-native modernization and event-driven architecture.
- â€¢ API governance with Apigee and OpenAPI contract discipline.
- â€¢ Automation-first operations with Terraform, Ansible and process orchestration.
- â€¢ Serverless standards and performance optimization with AWS Lambda.

Engineering Impact

- â€¢ Reduced Python banking process latency from 16s to ~200ms.
- â€¢ Automated GCP/Apigee environment lifecycle for faster, safer platform operations.
- â€¢ Standardized AWS Lambda archetypes with TypeScript and esbuild.
- â€¢ Led monolith-to-event-driven transformation and AWS ECS migration.

Business Domains

- â€¢ Core banking lifecycle: origination, disbursement, payments, APR, installments, payday.
- â€¢ Billing and financial process automation with domain-rule alignment.
- â€¢ Operational intelligence for internal service teams and incident workflows.

Technology Ecosystem

- â€¢ AWS, ECS, Lambda, API Gateway, Step Functions, GCP, Apigee, Terraform, Ansible, Docker, Minikube.
- â€¢ TypeScript, JavaScript, Python, Rust, MongoDB, DocumentDB, Oracle integration, Kafka, Jenkins.
- â€¢ RAG and AI-assisted operational context systems.

Certifications & References

- â€¢ Available upon request.

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