



RAFAEL GABRIEL HUEB

Senior Platform & Infrastructure Engineer | SRE |
AWS Certified Solutions Architect Professional

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 <https://www.github.com/rafaelhueb92>

ABOUT ME

High-agency Senior Engineer with 8+ years of experience bridging the gap between mission-critical backend code and scalable cloud infrastructure. Expert in architecting foundational platforms for high-scale financial systems (Itaú) and global consulting (NTT DATA). Specialized in Platform Engineering, Kubernetes, and Serverless architectures, prioritizing developer velocity and production reliability at enterprise scale (10,000+ AWS accounts).

WORK EXPERIENCE

Senior Platform Engineer

2020 - Present

Itaú Unibanco

- **Enterprise Governance at Scale:** Orchestrated infrastructure across multiple AWS accounts using CloudFormation StackSets and Terraform, ensuring 100% compliance with security baselines and multi-AZ best practices.
- **High-Throughput Serverless Architecture:** Designed and maintained Serverless platforms handling 100+ RPS using AWS Lambda and Step Functions, reducing operational costs by 30% compared to traditional EC2 clusters.
- **Observability & Reliability:** Integrated Datadog APM via DaemonSets and sidecars across EKS and Fargate, enabling unified tracing and log correlation that reduced Mean Time to Recovery (MTTR) by 40%.
- **Automated Lifecycle Management:** Engineered Python-based automation for RDS and DynamoDB engine upgrades, eliminating 'Extended Support' security risks and ensuring 99.9% platform uptime.
- **Developer Velocity:** Built standardized GitHub Actions pipelines and Terraform modules, accelerating feature delivery cycles for 50+ internal engineering teams.

Software Engineer / AWS Consultant

2019 - 2020

NTT Data

- **Legacy Modernization:** Refactored mission-critical financial systems from legacy code to Node.js, implementing hexagonal architecture to improve maintainability and scalability.
- **Database Optimization:** Optimized DynamoDB schemas for high-traffic retail projects (Riachuelo), reducing read/write costs by 25% through efficient query patterns and index management.
- **Messaging & Integration:** Integrated distributed systems using Kafka and RabbitMQ, ensuring reliable event-driven communication for large-scale client projects.

EDUCATION

Technologist in Systems Analysis
and Development

FATEC-São Paulo/Brazil

Graduated in 2014

SKILLS

- AWS
- Azure
- Terraform
- Linux
- NodeJS
- Python
- Github Actions
- Docker
- Kubernetes
- ArgoCD
- Datadog
- Crossplane
- Backstage

LANGUAGES

- ENGLISH (C1)
- PORTUGUESE (Native)
- SPANISH (A2)

WORK EXPERIENCE

Software Engineer

2019 - 2019

JBQ GLOBAL

- **Architectural Restructuring:** Led the redesign of Extrafarma's wholesale backend using Node.js and AWS Lambda, solving critical scalability bottlenecks during peak demand periods.

Programming Engineer

2018 - 2019

Trade Vale Seguros

- Developed insurance scoring systems using .NET Core and Azure SQL, focusing on high-accuracy data processing and intuitive UI/UX.

JR. WEB Developer

2018 - 2018

Big Solutions

- Responsible for developing back-end solutions for car stores using .NET Core, ensuring the creation of efficient and scalable systems.
- Use of SQL in Azure Cloud for data management and storage, ensuring the security and integrity of information.

Program Analyst

2013 - 2018

Ad Instar Informática

- Responsible for developing retail desktop systems using .NET C# Full, creating robust and scalable solutions to meet the needs of the sector.
- Use of SQL Server for data management and storage, ensuring the integrity and security of information.

COURSES AND CERTIFICATIONS

- Terraform Associate
- Certified Kubernetes Application Developer
- Platform Engineer Practitioner
- AWS Developer Associate
- AWS SysOps Associate
- AWS Solutions Architect Professional
- Datadog Fundamentals
- OpenJS Node.js Developer
- AWS AI Practitioner
- AZ-900

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