



Luis Enrique Barral Valderrama

AWS CERTIFIED · SOLUTIONS ARCHITECT

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Solutions Architect

ASSOCIATE

Issued 2022 · [Credly](#)



Developer

ASSOCIATE

Issued 2021 · [Credly](#)

PROFILE

Solutions Architect with 15+ years in software engineering, currently leading architecture and full-stack development for an enterprise AI platform used across government, defense, and financial services.

I work across the whole stack:

React/TypeScript frontends, Next.js, AWS infrastructure, and K3s/Fargate, designing systems that are straightforward to maintain, helping teams make sharper technical decisions, and keeping cloud costs under control as products grow.

CORE STACK

AWS

React

TypeScript

Next.js

Node.js

NestJS

PostgreSQL

Lambda

Fargate

K3s

CERTIFICATIONS

AWS Solutions Architect

Associate · Exam SAA-C03

AWS Developer

Associate · Exam DVA-C02

EDUCATION

Associate Degree, Computer Science

Instituto Univ. de Gerencia y Tecnología (IUGT)

2008 – 2011

LANGUAGES

Spanish

NATIVE

English

C1

EXPERIENCE

VAIRIX · 5 YRS 8 MOS



Tech Lead

Seekr: enterprise / government AI platform (SeekrFlow)

Nov 2021 – Jun 2026 · Montevideo, Uruguay

- Led the Seekr frontend (React / Next.js / TypeScript) for ~4 years, scaling from frontend scope to a full product and government vertical, with zero missed deliveries.
- Delivered v2 of Seekr's GitLab MCP server (FastMCP, 100+ curated tools) and contributed fixes to the shared agent-orchestration repo distributed via Claude marketplaces.
- Authored reusable agent Skills and built UI for advanced features (GRPO fine-tuning, streaming/SSE).
- Main point of contact for the account, owning delivery standards, agile ceremonies, and GitLab traceability.

Stack: React · Next.js · TypeScript · FastMCP · Agentic AI



Solutions Architect

Self-Realization Fellowship: serverless event platform

Apr 2021 – Nov 2021 · Montevideo, Uruguay

- Designed and shipped an event-driven serverless backend on AWS (Lambda, API Gateway, DynamoDB, SNS/SQS, S3, Route 53) with the Serverless Framework for a large international event.
- Automated registration and attendee outreach by integrating SendGrid, Constant Contact, and Socio through DynamoDB Streams.
- Built fault tolerance with SQS dead-letter queues and CloudWatch alerting, keeping failed events recoverable.

Stack: AWS Serverless · Lambda · DynamoDB · API Gateway · SQS/SNS



Senior Backend Developer

Device Magic: mobile forms & data-collection product

Nov 2020 – Apr 2021 · Montevideo, Uruguay

- Built REST APIs in Node.js and Express, backed by MySQL through an ORM (Sequelize), owning a section of the core-feature APIs.
- Documented the APIs to give the frontend team a clear, reliable contract, and partnered on technical decisions to keep backend and UI in sync.

Stack: Node.js · Express · MySQL · Sequelize

GLOBANT · 1 YR 5 MOS



Senior Developer · Azure

Ernst & Young (US): real estate platform

Jul 2019 – Nov 2020 · Argentina

- Re-architected service-to-service communication from HTTP to an Azure Service Bus messaging model, improving resilience and decoupling.
- Built features across Azure SQL, Cosmos DB, and Table API, plus a custom NuGet package for Blob Storage access.
- Set up CI/CD with Azure Pipelines and Docker, migrated workloads from VMs to Azure Functions, and built monitoring with Application Insights.

Stack: .NET Core · Azure Service Bus · Cosmos DB · Azure AD B2B/B2C

LAGASH · 1 YR 9 MOS



.NET Tech Lead

Santander Río: contact center platform

Aug 2018 – Jul 2019 · Argentina

- Hands-on technical lead for a team of 10 engineers, setting architecture and direction while contributing production code across the .NET and Angular stack.
- Enforced a high engineering bar through code reviews and OWASP Top 10 (2017) security standards.
- Ran the full Scrum process and owned QA/UAT triage; grew the team through mentorship and led hiring end to end.



.NET Senior Full Stack Engineer

Santander Río: agent desktop platform

Nov 2017 – Aug 2018 · Argentina

- Architected and built a .NET Core 2.2 microservices backend with Dapper over the bank's Oracle database for high-throughput data access.
- Engineered real-time call handling with SignalR (WebSockets) and Redis distributed caching, enabling live customer interactions at scale.
- Built a responsive Angular 5 frontend with Cypress E2E coverage and set up CI/CD on TFS (Git) with Docker.

Stack: .NET Core · Angular 5 · SignalR · Redis · Oracle · Docker

EARLIER EXPERIENCE



.NET Fullstack Developer · Capgemini

Nov 2016 – Nov 2017 · Buenos Aires, Argentina · Banking sector

Stack: ASP.NET MVC / Web API · C# · Angular 1/2 · SQL Server · Oracle · SignalR



System Engineer · Axxon Consulting

Jun 2016 – Nov 2016 · Argentina · Microsoft Dynamics AX 2012

Stack: X++ · C# · WCF · SQL Server