

I build the **AI platform layer** — the agent tooling, evaluation systems and infrastructure that let engineering organizations ship LLM-powered software into production, at scale, under financial regulation. Nine years across the LATAM payments ecosystem, currently leading platform, architecture and applied AI at Deuna, a fintech in the Banco Pichincha ecosystem.

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| <div>10M+</div> <div>MONTHLY TRANSACTIONS ON INFRA I OPERATE</div> | <div>300+</div> <div>MICROSERVICES UNDER AGENT-BASED CI/CD</div> | <div>6M+</div> <div>USERS · 620K MERCHANTS ON PLATFORMS I ARCHITECTED</div> | <div>60</div> <div>ENGINEERS &amp; ARCHITECTS ACROSS 10 SQUADS</div> |
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AI IN THE SOFTWARE LIFECYCLE

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| <div>Agent orchestration platform</div> <div>Four-plane architecture — experience, control, execution, knowledge — on EKS with a LiteLLM gateway handling routing, fallback and per-team cost control. A refinement cockpit turns a Jira story into an execution brief, dispatches it to a sandboxed agent, runs the tests and returns a PR with an architect in the loop.</div> <div>EKS · Bedrock · LiteLLM · sandboxed execution</div> | <div>Evaluation &amp; model governance</div> <div>Golden datasets, LLM-as-judge scoring and regression gates on agent output quality, backed by continuous multi-cloud benchmarking across cost, latency and correctness. The layer that makes agent output defensible to a risk committee.</div> <div>Evals · LLM-as-judge · multi-cloud benchmarking</div> |
| <div>AI code review in production</div> <div>Pull-request review agent running today against every diff as a quality gate inside Azure DevOps pipelines — 20+ PRs a day across 300+ microservices, with cost and model performance tracked per run.</div> <div>Azure DevOps · quality gates · 20+ PRs/day</div>                                                                                                                           | <div>Agentic QA</div> <div>Five agents mapped across a 16-step functional flow and a 9-step performance flow: impact analysis, test-case and automation-code generation, regression triage, and K6 threshold calculation — with the regression gate controlling deployment.</div> <div>K6 · regression gating · test generation</div>                        |
| <div>Knowledge Center (RAG)</div> <div>Postgres-backed retrieval layer with AI-generated per-microservice and product-level documentation, so every agent reasons from one source of truth about how services actually interact.</div> <div>pgvector · retrieval · doc generation</div>                                                                                                                                                   | <div>AI governance at bank scale</div> <div>Founded Deuna's AI Center of Excellence and its intake framework, pioneered Claude on Bedrock in production, and led the joint Deuna-Pichincha evaluation of enterprise AI platforms (Copilot Studio, Gemini Enterprise, Claude).</div> <div>CoE · intake framework · regulated adoption</div>                   |

EXPERIENCE

Deuna

Fintech payments company · Banco Pichincha ecosystem

QUITO, ECUADOR

AI Platform, Engineering & Architecture Lead

Jan 2025 – Present

- Designed and built the internal **AI developer platform** described above — agent orchestration, PR review, automated QA, RAG documentation — integrated directly into the engineering lifecycle rather than bolted alongside it.
- Architect and operate core **AWS infrastructure** (EKS, MSK/Kafka, RDS) behind mission-critical payment and identity services at **200+ TPS and 10M+ monthly transactions**.
- Own the **identity verification platform** — facial biometrics and liveness detection integrated with national civil registry systems — for regulated KYC across merchant and consumer products.
- Set architectural direction for payment flows, including a server-driven UI re-architecture and the **Central Bank SIP integration** (ISO 20022, EMVCo QR) onto Ecuador's interoperable rails.
- Lead **50 developers and 10 architects across 10 squads**: architecture review, technology selection, the senior hiring bar, and the on-call and incident practice behind platform reliability.
- Technical counterpart to Banco Pichincha and to regulators, including responses to Superintendencia de Bancos information requirements.

Cloud Solutions Architect · Tribe Architect, Merchants

Oct 2022 – Dec 2024

- Led the architecture team across Deuna's full merchant ecosystem — enterprise, SMB and micromerchant — serving **620,000+ commerces and 6M+ users** in Ecuador.

- Architected **Deuna Negocios**, the merchant super-app for payments, sales management, cashier operations, permissions and reporting, adopted by **35,000+ businesses** nationwide.
- Designed **offline QR payments**, enabling merchants and users to transact without connectivity — a decisive capability for financial inclusion in Ecuador's network reality.
- Spearheaded the **Fargate → Amazon EKS migration** and the containerization foundation that still runs Deuna's production workloads today.
- Built the enterprise integration layer: multi-POS QR networks, instant payment confirmations, multi-device notifications, and ERP/POS integrations; designed the deeplink + token merchant collection flow.

Kushki

Regional payments processor · LATAM unicorn

QUITO, ECUADOR

Applications Architect

Feb 2022 – Oct 2022

- Owned the architecture of the full merchant back-office — onboarding, configuration, transaction visibility and settlement — used by commercial and operations teams across Mexico, Chile, Colombia, Peru and Ecuador.
- Led the identity re-platforming from **AWS Cognito to Microsoft Entra ID** with zero downtime for live merchants, redesigning authentication, the role model and session handling for enterprise SSO and conditional access.
- Operated a multi-cloud footprint (AWS + Azure), aligning identity, security and deployment practice across both providers under the compliance requirements of a direct Visa and Mastercard member.

Banco Pichincha

Ecuador's largest private bank

QUITO, ECUADOR

Solutions Architect

Apr 2021 – Feb 2022

- Azure cloud and API architect; led a team of API developers delivering large, complex banking APIs in C# / .NET Core, including the **core banking transactional switch**.
- Drove business-led API design and API management on **Apigee**: proxies, rate limiting, security policies, analytics, monetization and developer portals.
- Managed the technical relationship with Tata Consultancy Services as delivery partner — architecture standards, deliverable review, and protection of the bank's technical interests.

DevOps Engineer

Jul 2019 – Apr 2021

- Key contributor to the creation of the bank's **Azure cloud environment**, the foundation for its scalable infrastructure; migrated non-production environments and built CI/CD pipelines for critical products.
- Moved delivery teams from waterfall planning to agile, and defined the technical standards for coding, tooling and platforms.

Jobsity

Client: Zebra Technologies

ECUADOR

Senior Software Engineer

Aug 2018 – Jul 2019

- Real-time frontend applications in Angular with Leaflet mapping and WebSockets; performance-focused delivery with unit testing in Karma and Jasmine.

Earlier

2017 – 2018

**Moobile** — Lead Developer: migrated the Candy Club platform from legacy PHP to Angular. · **WebCreek** — Developer: built Aegis Flow for energy-sector stock operations (Angular + .NET Core) and led the Trestles Ionic mobile app.

STACK · EDUCATION · BEYOND WORK

| STACK                                                                                                                                                                                                                                                                                                                                                                                               | EDUCATION                                                                                                                                                                                                                                                                                                              | BEYOND WORK                                                                                                                                                                                                                                                                                                             |
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| <div>AI</div> <div>Claude Code · Bedrock · LiteLLM · MCP · RAG / pgvector · LLM evals · agent orchestration</div> <div>PLATFORM</div> <div>Kubernetes / EKS · ECS &amp; Fargate · Terraform · Docker · Kafka (MSK) · Datadog · GitHub Actions · Azure DevOps</div> <div>BUILD</div> <div>Python · Go · Node.js · C# / .NET Core · TypeScript · Svelte · PostgreSQL · MongoDB · Apigee · Mambu</div> | <div>MBA</div> <div>UDLA, Quito · in progress</div> <div>B.Eng. Computer Engineering</div> <div>UDLA · 2017 – 2021</div> <div>Mechatronics &amp; Robotics Eng.</div> <div>ESPE · 2015 – 2017</div> <div>Managerial Skills</div> <div>USFQ certificate</div> <div>PH525.1x — Statistics and R</div> <div>HarvardX</div> | <ul style="list-style-type: none"><li>• Instructor — Docker &amp; Kubernetes fundamentals for ESPE faculty</li><li>• Speaker at UDLA forums on cloud architecture and AI in delivery</li><li>• Host of a podcast on technical leadership and fintech founders</li><li>• Spanish native · English professional</li></ul> |