

# JORGE VALENCIA

Engineering Manager | Software Architect | Tech Lead

Santiago, Chile | +56 9 9299 7671 | [jorge@jvalencia.tech](mailto:jorge@jvalencia.tech)

Languages: Spanish (native) | English (advanced) | Portuguese (intermediate)

## PROFESSIONAL SUMMARY

---

Software engineer and tech leader with 15+ years of experience building high-performing teams and large-scale critical systems. Specialized in modern architectures, agile practices, and a continuous delivery culture. Experienced leading distributed teams across Chile, Brazil, Argentina, and the USA, operating fluently at every level: from writing code to defining roadmaps, hiring people, and managing stakeholders.

## SKILLS

---

**Team Leadership:** Hiring, mentoring, feedback, career development, distributed international teams

**Delivery Management:** Kanban, Scrum, CI/CD, pipeline automation, Continuous Delivery

**Architecture:** Microservices, SOA/WOA, cloud-native AWS, Infrastructure as Code, active-active multisite

**Methodologies:** Lean & Agile, TDD, Domain-Driven Design, technical debt management

**Tech Stack:** Go, Kotlin, Java, TypeScript, Kafka, Kafka Streams, Kubernetes, Snowflake, ArgoCD, Docker, AWS

**Stakeholder Mgmt:** Roadmap coordination, expectation management, partner and vendor negotiation

## AI & TOOLING

---

- Uses Cursor as primary IDE and code flow manager, running multiple parallel tasks in human-in-the-loop mode: agent-driven code implementation, iterative RFC/PRD generation, and complex workflow coordination with shared context.
- **Custom MCP server:** built an MCP server integrating AI agents with observability and logging systems (OpenTelemetry, Prometheus, Grafana/Loki), enabling agent-assisted autonomous diagnostics.
- **Skill development:** builds and maintains custom skills for Cursor and Claude, including token usage optimization via proxies, indexing, and agent specialization for specific domains.
- **Vision:** AI is here to stay in engineering — but the real challenge is distinguishing stable, proven practices from immature ones amid constant noise. Organizations and individuals must learn to adapt faster than ever, with the judgment to identify what knowledge is durable.

## EXPERIENCE

---

### Global Ad Tech Company

#### Senior Software Engineer

08/2025 - Present

- Feature development on a global Retail Media and Ad Tech platform, collaborating with distributed teams across Chile, Brazil, USA, Australia, and Turkey.
- **Kafka Streams architecture redesign:** restructured auction and ad interaction processing flows, eliminating week-long time-windowed joins that consumed 3 TB of storage and pods with 4 CPUs / 48 GB of RAM. The new design uses under 100 MB of storage and 1 CPU / 1 GB per pod, with fewer pods and a significantly lower failure rate.
- Primary stack: Go, Kotlin, TypeScript, Kafka Streams, Kubernetes, Snowflake, ArgoCD.

### Octodots Analytics SpA

#### Tech Lead / IT Manager

11/2022 - 08/2025

- Built the IT department from scratch: defined roles, hired and managed a team of 3 engineers.
- Architected and delivered the startup's first 3 software products (Frontend, Backend, BFF, Streams, Queues).
- Designed cloud AWS and on-premises infrastructure as code with Terraform.
- Engineered CI/CD pipelines integrated with GitHub, Docker Hub, and Terraform Cloud.

- Defined and tracked development processes through performance metrics.

## **RebelSouls SpA**

### **Consultant & Co-founder**

10/2017 - 11/2022

- Software architecture and design consultancy for clients in mining, transport, and construction.
- Led agile transformation and digital implementation plans for large-scale organizations.
- Specialized cloud migration consulting and technical training.

## **LATAM Airlines Group**

### **IT Deputy Manager / Agile Manager**

04/2015 - 05/2017

- Led multiple development teams (up to 12 people) delivering cross-channel, reusable web services.
- **International remote team management:** semi-remote model with teams in Chile, Brazil, Argentina, and the USA, bridging language, culture, and time zone barriers.
- Implemented customized Kanban with feedback cycles tuned to each team's maturity level.
- Stakeholder management, partner negotiation, and new team ramp-up.
- Implemented Continuous Delivery with full pipeline automation through to production.

## **LATAM Airlines Group**

### **Web Services API Product Owner**

04/2015 - 09/2015

- Product Owner for 3 development teams building cross-company APIs: payments, customer identity, and more.
- MVP definition, backlog prioritization, and roadmap management across multiple business stakeholders.

## **LATAM Airlines Group**

### **IT Architecture Lead - LAN.com**

02/2012 - 04/2015

- Led a team of 12 software architects defining non-functional requirements across all web projects.
- **Key achievements:** Perl to Java platform migration, active-active multisite architecture across multiple datacenters, adoption of TDD, CI, DDD, and SOA/WOA microservices.
- Standardized quality KPIs and maintained a technical agenda with all development partners.

## **LATAM Airlines Group**

### **Senior IT Architect - LAN.com**

05/2010 - 02/2012

- **Strategic PSS migration:** key contributor to the migration of the core reservation and flight management system (~2 million lines of code). Legacy refactoring, TDD adoption, and CI implementation.

## **Entermedia Software Inc.**

### **Software Developer**

02/2008 - 05/2010

- 100% remote work for a US-based company: Digital Asset Management system using Java Enterprise and Spring Framework.
- On-call support for global clients including StateFarm Insurance, WWE, and Pindar. On-site work in Cincinnati, Ohio.

## **EDUCATION**

---

### **Computing Engineering (Graduate)**

Universidad Técnica Federico Santa María | 2001 - 2006

**Continuing education:** Leadership 2.0 | Software Architecture & Design | Lean & Agile Practices