

Jaime Andrés Bravo Hurtado

Principal Cloud Infrastructure Architect & Senior Full-Stack Engineer

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PROFESSIONAL SUMMARY

Enterprise Architect & Senior Full-Stack Engineer with **over 15 years** of experience spearheading digital transformation strategies and core critical infrastructure modernization across multiple industry verticals. Expert in **AWS** Cloud ecosystems, **Linux** systems administration, and **Java microservices**, with deep technical specialization in high scalability, high availability frameworks, cybersecurity mitigation, **PCI-DSS compliance**, and Agile methodologies. Extensive experience driving systems migration, hybrid networking topologies (on-premises/cloud), and managing technical transitions from legacy debt architectures to modern tech stacks.

TECHNICAL INVENTORY & CORE STACK

AMAZON WEB SERVICES

Cloud-native, Lambda, EKS, OpenShift, S3, MSK, RDS, EC2, DynamoDB, Aurora PostgreSQL, API Gateway, ACM, Systems Manager (SSM), AWS Glue, Amazon SQS, AWS Secrets Manager, CloudFront, ALB, NLB, Transfer Family, SNS, Cognito, CloudWatch, ElastiCache, Amazon Q Business.

JAVA ECOSYSTEM (V17+)

Spring Boot 3.x, Spring Batch, Microservices, REST APIs, DDD, SOLID, TDD, Event-Driven, Apache Camel, Hibernate, SOAP, Tomcat, WebLogic, Liferay, J2EE, EJB, JSP, JSF, JMS, JDBC, JPA, JAXB, JAX-WS, WSDL, JBoss EAP, WildFly, GlassFish, Jetty.

DEVOPS & AUTOMATION (IAC)

Docker, Kubernetes, OpenShift, ArgoCD, Helm, Terraform, Terragrunt, TFLint, Ansible, Chef, Packer, Jenkins, Bamboo, CAWA, CAWACD Agent, Git, GitHub, Bitbucket, Gitea, Ant, Gradle, Maven, Make.

SECURITY, DATA & STREAMING

PCI Compliance, OWASP Top 10, Ethical Hacking, ISO 27001, AWS Security Hub, AWS WAF, Cloudflare, Check Point Gateway (IPS), Fortinet, Kaspersky, Nginx, Traefik, HAProxy, Envoy, Istio, SAP Cloud Connector, F5 VIP, OAuth, SSO, Keycloak, Active Directory, eToken, SOPS, GPG, OpenSSL, iptables, Kafka, Karapace, SQL, SQL Server, MongoDB, Oracle PL/SQL, MySQL, Redis, Snowflake, Flyway.

PROFESSIONAL EXPERIENCE

AWS Architect & DevOps Engineer

10/2019 – 01/2026

KDU Ingeniería (Transbank, Bolsa Electrónica, Bci)

- **Transbank Serverless Architecture:** Designed an end-to-end event-driven Serverless architecture on AWS for automated distribution of printing logistics assets across national POS networks.
- **Hybrid Networking & PCI Security:** Orchestrated the microservices migration of 10+ core banking environments into hybrid AWS containers interacting with corporate secure on-premises infrastructure via dedicated hardware VPNs, behind Layer 7 API Gateways, F5 VIP infrastructure, and stringent PCI-DSS scoping.
- **High Availability Subnetting:** Configured high-performance subnetting clusters featuring segmented computational layers (Public edge ingress with ALBs, Private container task executions, and Isolated DB engines using Aurora PostgreSQL and DynamoDB) integrated with CloudFront proxies.

Java Software Architect

06/2018 – 05/2019

Aurea, Inc. (ESW Capital Group LLC – Austin, TX / Remote)

- **Identity Engineering & SSO:** Built custom secure SSO OAuth integrations between top-tier global enterprise platforms (Crossover and Moodle engines) leveraging temporary cryptographic lifecycle tokens.
- **Abstract Syntax Tree (AST) Testing:** Passed highly restrictive internal optimization tournaments, processing programmatic parsing routines in Groovy to generate 7,000+ daily lines of robust clean code coverage.
- **Multi-stack Dockerization:** Automated structural isolation across 22 critical production applications encompassing diverse environments (Java enterprise WildFly, Python Django, Rails, Windows Server IIS configurations, and stateful databases) into unified pipeline artifacts.

Senior Developer and Architect

11/2013 – 05/2018

KDU Ingeniería (Copec, Seguros Falabella, Transbank, Pizza Hut)

- **ISO-8583 Protocol Engineering:** Engineered low-level embedded TCP/IP data parsing workflows adapting strict ISO-8583 telecommunication standards inside Verifone POS stations for Copec.
- **High-Throughput Messaging Engines:** Designed decoupled messaging backends utilizing enterprise JMS queues and transaction frameworks (OpenN/2 switches) processing massive concurrent workflows for Falabella.
- **Pizza Hut E-Commerce Architecture:** Spearheaded the end-to-end development of the Chilean e-commerce platform, integrating geolocation services, Webpay/OneClick payment flows, and advanced observability utilizing New Relic.

ADDITIONAL HISTORICAL EXPERIENCE

Sociedad Médica Oncomed S.A. (2008 – 2010): Full-Stack Java Analyst/Developer.

Developed critical web healthcare applications, integrated them with healthcare insurance platforms (Consalud, CruzBlanca) utilizing SOAP web services, and automated secure file transitions using batch secure FTP scripting layers.

Universidad Tecnológica de Chile INACAP (2007): Linux Systems & Networking Laboratory Operator (LEICA).

Administered Unix local infrastructure servers (Samba, FTP, Apache DB topologies) and skyrocketed operating system provisioning.

FORMAL EDUCATION AND CERTIFICATIONS

Bachelor of Science in Computer Science

Universidad Tecnológica de Chile INACAP (2004 – 2007)

Academic Excellence Diploma / Diploma de Excelencia

Académica

AWS Certified Solutions Architect – Associate

Amazon Web Services (Self-Taught / Prometric-VUE Certified)

Information Security Officer ISO 27001

Udemy Certification Academy (Passed v2025)

Oracle & Sun Microsystems Enterprise Java Certifications

- **Java EE 5 Enterprise Architect (Sun Certified Master)** – Enterprise-grade software architecture and execution.
- **Java SE 8 Programmer (Oracle Certified Professional)** – Advanced native runtime programming and optimization.
- **Java SE 7 Programmer (Oracle Certified Professional)** – Robust and scalable enterprise backend platform engineering.
- **Java EE 6 Persistence Expert (Oracle Certified Expert)** – Advanced data persistence design and profiling optimization (JPA/Hibernate).
- **Java EE 5 Web Components Developer (Oracle Certified Professional)** – Service-oriented integration topologies and core API implementations.
- **Java EE 5 Business Components Developer (Oracle Certified Professional)** – High-throughput corporate financial transaction state data modeling.