

Jeyson Anibal Palacio Palma

Senior Platform Engineer | Backend Architect | Future CTO

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Professional Summary

Hands-on senior engineer and technical leader with over 10 years of experience designing scalable, multitenant applications and platform services. Proven track record building distributed backend systems, reusable service architectures, and integrating emerging infrastructure tools to improve developer velocity and system reliability. Deep expertise in Python, Ruby on Rails, and React/React Native for building end-to-end product flows. Passionate about building both the foundation and the abstractions to scale engineering teams and support rapid product evolution.

Core Competencies: Multitenant SaaS Platforms · Internal Platform Architecture · Infrastructure as Code (Terraform, Pulumi) · CI/CD Pipelines · Distributed Systems · Durable Workflows (Temporal) · Cloud DevOps (AWS, GCP, Kubernetes) · Event-Driven Architecture (Kafka, Kinesis) · Python/Django · Ruby on Rails · React/React Native · Strategic Technical Leadership

Experience

Lead Engineer · Randstad Digital | Torc (Freelance)

Dec 2025 – Present | Remote

- Leading engineering efforts for enterprise client engagements through Randstad Digital's Torc platform. Responsible for technical architecture, team coordination, and delivery of scalable backend solutions.
- Designing and building Python-based microservices and API layers using Django and FastAPI, with emphasis on modularity, observability, and tenant-aware service patterns.
- Implementing Ruby on Rails services for internal tooling, admin dashboards, and integration middleware connecting client systems with third-party APIs and data providers.
- Developing React-based front-end interfaces for project management and delivery tracking, enabling real-time visibility into engineering progress and resource allocation.
- Establishing CI/CD pipelines, IaC patterns (Terraform/Pulumi), and deployment strategies to support rapid iteration across multiple client environments.

Stack: Python · Django · FastAPI · Ruby on Rails · React · Terraform · Pulumi · CI/CD

Senior Software Engineer · Revelo (Client: StyleSeat)

Jan 2024 – Jul 2026 | LATAM (Remote)

- Engaged through Revelo as a dedicated senior engineer for StyleSeat, the beauty and wellness marketplace, working embedded with their product and engineering teams on the booking platform.
- Established and optimized booking features for beauty professionals: availability and scheduling, reservation flows, and the client-facing booking experience across web and mobile.
- Integrated third-party platforms into the product, including Braze for lifecycle messaging and notifications and Segment for event tracking and customer data pipelines, unifying user events across services.
- Integrated AI agents into professional-facing workflows to automate repetitive work such as booking management and client communication, reducing manual effort for stylists and salon owners.
- Worked across the stack (Python, Ruby on Rails, React) on the services and interfaces supporting the booking experience, with instrumentation and metrics guiding performance and reliability improvements.

Stack: Python · Ruby on Rails · React · PostgreSQL · Braze · Segment · AI Agents

Senior Backend Engineer · FuseFinance (Freelance — Contract)

Jun 2025 – Sep 2025 | LATAM (Remote)

- Supported the technical foundation of an early-stage fintech focused on digital payments and alternative financial services across the USA and LATAM during a short-term freelance engagement.
- Designed and implemented the core backend architecture using Python (Django/FastAPI), prioritizing scalability, modularity, and tenant-aware service design from day one. Built asynchronous task runners with Celery and Redis for payment processing queues.

- Developed initial services for user onboarding, identity verification (KYC), and virtual account creation by integrating third-party APIs such as banking partners and verification providers. Implemented the KYC orchestration flow in Python with retry logic and webhook callbacks.
- Built a React-based internal admin panel for compliance teams to review KYC submissions, flag suspicious accounts, and manage approval workflows in real time.
- Established an event-driven architecture using Kafka to power asynchronous flows for notifications, transaction reconciliation, and compliance operations.
- Defined reproducible CI/CD workflows and managed cloud infrastructure using Terraform and Pulumi to streamline deployments in staging and production environments.

Stack: Python · Django · FastAPI · Celery · Redis · Kafka · React · Terraform

Senior Software Engineer · BairesDev (Mastercard Project)

Feb 2021 – Jan 2024 | Remote

- Architected internal APIs and reusable backend components for Mastercard's multitenant payment infrastructure. Built Python-based API gateways and middleware layers for request routing, rate limiting, and tenant-scoped authentication.
- Contributed to a large-scale, low-latency system that ingested and processed financial events in near real time using Kafka and gRPC. Developed Python consumers and producers for event stream processing with schema validation via Protobuf.
- Integrated MCP-based AI models for fraud detection and risk scoring using secure API wrappers and model context protocols.
- Built React-based internal tools for transaction monitoring dashboards, enabling analysts to visualize payment flows, detect anomalies, and drill into tenant-level metrics with real-time data feeds.
- Designed schema strategies for ClickHouse OLAP tables to optimize cross-tenant analytics workloads and dashboards.
- Built and maintained data ingestion and transformation pipelines using Apache Airflow (Python), authoring DAGs for ETL workflows and reporting layers.

Stack: Python · Kafka · gRPC · Protobuf · ClickHouse · Apache Airflow · React · MCP

Software Engineer · Globant

Oct 2020 – Aug 2021 | Bogota

- Worked on enterprise-grade AI integrations for clients in fintech and e-commerce. Developed Python-based inference pipelines and feature engineering modules for recommendation and scoring systems.
- Built distributed data pipelines with asynchronous execution, leveraging Pub/Sub, Celery, and RESTful APIs. Implemented Ruby on Rails services as data ingestion endpoints for partner integrations.
- Developed React front-end components for A/B experiment dashboards, allowing product teams to configure and monitor ML model variants in real time.
- Supported deployment of machine learning models with versioned interfaces, metrics, and A/B evaluation.

Stack: Python · Pub/Sub · Celery · Ruby on Rails · React

Enterprise Solutions Architect · Mi Aguila

Oct 2020 – Aug 2021 | Bogota

- Led platform modernization by migrating monolith to microservices, introducing tenant-aware service registration and auth boundaries. Rebuilt core business logic modules in Ruby on Rails with service-object patterns and background job processing via Sidekiq.
- Built React-based abstraction layers that enabled frontend/backend teams to extend business features across regions, including configurable UI components for multi-region fleet management dashboards.
- Managed Pulumi-based Kubernetes infrastructure across staging and production clusters.

Stack: Ruby on Rails · Sidekiq · Kubernetes · Pulumi · React

Lead Engineer · Paken

Oct 2019 – Oct 2020 | Bogota

- Built and maintained highly available microservices for logistics operations across multiple clients and warehouse locations. Developed Ruby on Rails APIs for shipment tracking, route optimization, and warehouse inventory management.
- Introduced event sourcing for shipment lifecycle management using Kafka and PostgreSQL. Implemented Python-based ETL scripts for consolidating shipment data across multiple warehouse systems into a unified reporting layer.
- Designed an integration layer with external warehouse APIs and custom alert systems via Redis pub/sub and Slack bots. Built a React Native mobile app for drivers to receive real-time dispatch notifications and update delivery statuses.

Stack: Ruby on Rails · Kafka · PostgreSQL · React Native · Redis

Lead Engineer · LOGYCA

Jan 2019 – Oct 2019 | Bogota

- Focused on internal platforms to unify API and identity services for internal products. Developed Python-based middleware for centralized logging, authentication token validation, and cross-service request tracing.
- Drove cloud migration with a reusable Pulumi module system across development environments.
- Provided architectural input on internal authorization service and secrets management patterns. Built Ruby on Rails admin interfaces for managing service configurations and access control policies.

Stack: Python · Pulumi · Ruby on Rails

Software Developer · Carvajal Tecnologia y Servicios

Sep 2018 – Jan 2019 | Bogota D.C.

- Contributed to development and QA of enterprise applications. Ensured security standards were upheld in client deliverables.
- Worked with .NET and SQL Server in CI/CD environments alongside Ruby on Rails and Python-based components for internal tooling and report generation.

Stack: .NET · SQL Server · Ruby on Rails · Python

Professor / Developer · Fedesoft

Jun 2018 – Jan 2019 | Bogota D.C.

- Led technical instruction for digital inclusion programs in partnership with the Ministry of ICT.
- Mentored students and advised innovation projects using Python, Go, and Ruby on Rails. Designed curriculum modules covering web development with Rails, data scripting with Python, and REST API design.

Stack: Python · Go · Ruby on Rails

Software Developer / Technology Assistant · Universidad Piloto de Colombia

Apr 2015 – Sep 2018 | Bogota D.C.

- Supported and maintained institutional software systems. Delivered new development features under institutional standards using Ruby on Rails, PostgreSQL, and Python. Built internal React-based interfaces for student enrollment workflows and academic scheduling tools.

Stack: Ruby on Rails · PostgreSQL · Python · React

Platform Readiness Highlights

- **Multitenant SaaS Architectures:** Designed isolated tenant environments (Mastercard, FuseFinance), with per-tenant observability, config, and data segregation.
- **Distributed Systems at Scale:** Applied Kafka, Temporal, and gRPC in production. Built resilient async flows and stateful orchestration with retries and replay.
- **Internal Platform Work:** Defined reusable CI/CD workflows, IaC modules, and backend services across teams. Developed internal SDKs to accelerate delivery.
- **AI Integration Experience:** Built MCP-compatible wrappers, AI agent workflows, and model deployment flows for LLM and scoring models.
- **Strategic Platform Thinking:** Participated in platform-level tech decisions, extracted patterns across teams, and co-led system modularization initiatives.

AI Integration & Automation

- Custom skill/rules development for LLM assistants (Claude, GPT, Gemini)
- MCP (Model Context Protocol) implementations for secure AI integrations
- AI agent orchestration and workflow automation using Temporal and custom frameworks
- Prompt engineering and context optimization for domain-specific applications
- Liveness detection and AI-generated content identification systems

Knowledge Management & Data Quality

- Knowledge asset sanitization and PII/sensitive data handling pipelines
- RAG (Retrieval-Augmented Generation) pipeline development and optimization
- Vector database integration and semantic search (pgvector, Neo4j, Pinecone)
- Data transformation and ETL workflows for AI model training datasets
- Document processing and classification using LLM-based approaches

Developer Productivity & AI Tooling

- Creation of custom AI skills and rules for development workflows
- AI-assisted code review and documentation generation
- Automated testing and QA enhancement with AI agents
- Integration of AI copilots into CI/CD pipelines

Technical Skills

Languages: Python, Ruby, JavaScript/TypeScript, Swift, Go

Frameworks: Django, FastAPI, Ruby on Rails, React, React Native, Celery, Sidekiq

Infrastructure: AWS, GCP, Kubernetes, Pulumi, Terraform, Redis, PostgreSQL, ClickHouse, DynamoDB

Tooling: Kafka, Temporal, Jenkins, Bitbucket Pipelines, Stripe, Cypress, gRPC, Protobuf

Product & Growth: Braze, Segment, analytics instrumentation and lifecycle messaging integrations

AI/ML Tools: LangChain, Claude API, OpenAI API, Anthropic MCP, Hugging Face, RAG Pipelines, pgvector, Neo4j, Pinecone

Education & Certifications

- Software Engineering Degree · Universidad Piloto de Colombia
- OWASP Certified · Valid through Dec 2024

Languages

- Spanish: Native
- English: Advanced (C1)