

Jonatas Pedraza

Backend, frontend, architecture, and cloud for products that must scale with reliability.

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ABOUT

Software Engineer with 10+ years of experience across backend, architecture, cloud, and DevOps — plus recent frontend work (React/TypeScript). Experience on credit, payments, food delivery, telecom, and video platforms. Core stack: Node.js, TypeScript, NestJS, Python, Go, PostgreSQL, Redis, Elasticsearch, AWS, Docker, Terraform, and Datadog. Hands-on end to end: APIs, microservices, observability, and delivery with product and design. Hands-on with AI-assisted development tooling (Codex, Claude, Cursor; skills, rules, MCPs) and Spec Kit / OpenSpec for disciplined planning and delivery.

SKILLS

AWS · Terraform · Docker · Packer · Ansible · GitHub Actions · CI/CD · Linux · Shell Script · Distributed systems · Scalability · Resilience · Elasticsearch · Datadog · Python · Go · Node.js · TypeScript · C# · REST · Microservices · Cursor · Claude · Codex · MCP · Spec Kit · OpenSpec · Clean Architecture · PostgreSQL · MySQL · MongoDB · Redis · Metrics · Logs

EXPERIENCE

System Integration Engineer — Nokia Networks

Dec 2015 — Aug 2017 · Rio de Janeiro, Brazil

- Standardized and automated systems-infrastructure provisioning in operator on-prem datacenters (Packer, Ansible, Shell, SSH, Linux), cutting the cycle from ~168 h to ~48 h
 - Site operational readiness: integration and delivery of Nokia solutions on heterogeneous stacks, focused on repeatability, risk reduction, and time-to-ready
 - Defined and executed datacenter network standards (VLANs, switches, ports, rack topology) when the site had no dedicated networking team
 - Coordinated with the vendor (Dell PowerEdge rack/blade) on physical expansion/sizing aligned to service capacity demand
 - Field operational-architecture documentation: MOPs, runbooks, installation/commissioning checklists, topology diagrams, and validation/rollback plans
 - OpenShift and OpenStack as the environment’s orchestration/virtualization foundation
 - IoT integrations and ETL pipelines (Greenplum, MySQL) for operational data flows
- Packer · Ansible · Shell Script · SSH · Linux · OpenShift · OpenStack · MySQL · Greenplum · Elasticsearch · Git

Software Architect — Delivery Much Brasil

Jun 2021 — Feb 2024 · Santa Catarina, Brazil

- AWS solution architecture for food-delivery microservices (NestJS/Node.js/TypeScript, plus services in Go and Python), covering compute (ECS/Fargate, EC2), APIs (API Gateway, ALB), data (RDS, ElastiCache), messaging (SQS/SNS), S3, IAM, VPC, and CloudWatch
- Created and evolved CI/CD pipelines with GitHub Actions (build, test, and deploy)
- Translated business requirements into solution decisions: service boundaries, API contracts, persistence, and cost/performance/security trade-offs
- Architecture specs, diagrams, and guides to steer implementation and platform evolution
- Technical standards and tech-lead support (code, CI/CD, agile practices) for coherence across squads
- Hands-on in critical squads with legacy systems and complex integrations, unblocking delivery without breaking the target architecture
- Composed data and runtime stack (PostgreSQL/RDS, MongoDB, Redis/ElastiCache, Elasticsearch, Docker) aligned to domain load patterns

NestJS · Node.js · TypeScript · Go · Python · Docker · AWS · ECS · Fargate · EC2 · API Gateway · ALB · RDS · ElastiCache · SQS · SNS · S3 · IAM · VPC · CloudWatch · GitHub Actions · MongoDB · PostgreSQL · Redis · Elasticsearch

Software Engineer — Pagar.me

Aug 2017 — Jun 2021 · São Paulo, Brazil

- SRE on online payment systems focused on availability and scale
- Architecture and infrastructure evolution for distributed applications
- Elasticsearch cluster design and operations with squad support: redesigned the read-layer cluster (dedicated nodes per workload, following Elastic best practices), cutting read-layer incidents by ~85%
- Automated provisioning and delivery with Terraform, Packer, Ansible, and Docker on AWS

Python · JavaScript · Go · C# · AWS · Terraform · Packer · Ansible · Docker

Software Engineer — Nuvemshop

Mar 2024 — Present · São Paulo, Brazil

- Evolving the credit platform (offering, management, and operations) across backend and frontend
- Integrating partner APIs into the credit engine (analysis and approval flows)
- Building the credit frontend with React, TypeScript, Figma, and Playwright
- Shipping back-office tools for a lean product/design/operations squad
- Investigating production incidents with Datadog (metrics, logs, root cause)

TypeScript · Node.js · React · Figma · Playwright · PostgreSQL · Redis · AWS · Datadog

Software Engineer — Globo.com

Nov 2014 — Nov 2015 · Rio de Janeiro, Brazil

- Backend services and APIs for live and on-demand video delivery
- Focused on performance, scale, and resilience in microservices
- Built AI agents to detect video transmission failures; ~35% of open tickets were of that type, and with the agents we brought that share down to nearly zero
- Improved CI/CD pipelines with the DevOps team

Python · Node.js · JavaScript · Redis · Docker · PostgreSQL · MongoDB · Elasticsearch · Nginx

KEYWORDS

infrastructure architect · cloud architect · solution architecture · AWS · VPC · IAM · ECS · Fargate · EC2 · API Gateway · ALB · RDS · ElastiCache · SQS · SNS · S3 · CloudWatch · Terraform · Packer · Ansible · GitHub Actions · OpenShift · OpenStack · datacenter · networking · IaC