

Fábio Luciano Nogueira de Góis

Platform Engineer | CNCF Kubestronaut | DevEx Specialist



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PROFESSIONAL SUMMARY

Platform Engineer with 10+ years of experience, specialized in reducing developer cognitive load through Internal Developer Platforms (IDP) and Golden Paths. CNCF Kubestronaut holding all 5 Kubernetes certifications, with expertise in cloud-native technologies, DevSecOps, and GitOps culture.

Proven track record: 25%+ cloud cost reduction (FinOps), 40%+ MTTR improvement through proactive observability, and 100% auditable infrastructure. Focused on Developer Experience, DORA metrics, and AI-assisted infrastructure automation.

PROFESSIONAL EXPERIENCE

Platform Engineering Specialist at Banco SICOOB

2025-06 — Present

- Architected and implemented Internal Developer Platform (IDP) to accelerate digital financial product delivery with focus on compliance and governance
- Established cloud-native security standards with policy-as-code (OPA/Gatekeeper) and continuous scanning for LGPD and banking regulations compliance
- Designed multi-cloud resilient infrastructure with Kubernetes and service mesh to support mission-critical transactions with 99.9%+ SLA
- Implemented advanced FinOps strategies, optimizing cloud costs by 30%+ through intelligent automation and ML-based right-sizing
- Developed Golden Paths and custom CLI tools to reduce banking application developer onboarding from weeks to days
- Built end-to-end observability with OpenTelemetry and Prometheus for proactive monitoring of critical APIs and real-time fraud detection
- Led legacy system migration to cloud-native architecture, ensuring zero downtime and complete audibility through GitOps and ArgoCD
- Established Platform as a Product culture, collecting Developer Experience metrics and implementing continuous feedback loops for platform evolution

Platform Engineer at MATERA SYSTEMS

2023-03 — 2025-05

Digital Twin Department

- Designed and implemented Internal Developer Platform (IDP) integrating CI/CD and resource provisioning, reducing Time-to-Market for new microservices by 60%
- Standardized Terraform and Crossplane modules for self-service provisioning of EKS clusters and RDS databases
- Managed Kubernetes fleets with 500+ nodes, optimizing cloud costs (FinOps) by 25% through Spot instances and Karpenter
- Implemented DevSecOps pipelines with GitHub Actions, integrating SonarQube for static analysis and Snyk for vulnerability scanning
- Structured observability ecosystem with Prometheus, Grafana, and OpenTelemetry, reducing MTTR by 40%
- Migrated configuration management to ArgoCD (GitOps), ensuring 100% versioned and auditable infrastructure state
- Leveraged AI tools for infrastructure code generation and test automation, increasing team productivity by 30%

Tech Lead at ActDigital

2022-07 — 2023-01

Leadership Department

- Technical leadership, assisting colleagues in tasks, and creating individual development plans
- Conducted technical interviews for internal client teams
- Designed multicloud solutions for internal client projects with focus on cost optimization
- Planned and assessed on-premises to cloud migration strategies with FinOps principles

Tech Lead - Developer Experience at PicPay

2020-07 — 2022-01

Developer Experience Department

- Implemented DORA Metrics dashboards (Deployment Frequency, Lead Time for Changes), identifying Code Review bottlenecks
- Revamped developer portal and technical documentation (Docs-as-Code), reducing new hire setup time from 5 days to 4 hours
- Acted as Developer Advocate bridging product and infrastructure teams to collect feedback and implement custom CLI tools
- Implemented new continuous deployment strategies with Helm and Harness, improving deployment frequency by 45%
- Developed CI strategies using Tekton Pipelines with integrated security scanning
- Created Ansible playbooks for CI/CD strategy migration support
- Promoted best practices in code governance and API design
- Developed CLI tools to reduce toil and automate repetitive tasks

Solutions Architect at SONDA IT

2018-01 — 2020-07

Software Factory Department

- Infrastructure as code setup with Terraform and CloudFormation for Software Factory solutions
- Setup of CI/CD tools (Jenkins, SonarQube, Sonatype Nexus, GitLab)
- Load balancing and scalability setup for CI/CD tools and applications with HAProxy
- Automating configuration and settings in tools using Apache Groovy
- Private cloud setup for on-demand resource orchestration
- Private cloud and app deployment using IaC with Ansible, Fabric, and Docker Compose
- CI/CD environment configuration across geographically distributed environments
- CI/CD process definition for application security and quality
- Automated testing (JUnit, PHPUnit, Karma, Jasmine, Cucumber, Codeception, Behat, Cucumberjs) setup for applications
- Cloud-based solutions design using AWS and Microsoft Azure

Software Architect at CTIS Tecnologia

2016-07 — 2017-12

Ministry of Science and Technology

- Development and maintenance of microservices architecture
- Deployment of tools to support DevOps philosophy
- Microservices log analysis and automation triggers with LogStash
- Microservices monitoring using Prometheus
- CI/CD pipeline creation for Java(JEE), Angular.js, and PHP projects
- Docker container setup for microservices orchestration
- Load balancing and high availability setup with HaProxy
- Automated deployment of microservices with Ansible

Software Architect at CTIS Tecnologia

2016-04 — 2016-07

Ministry of Development, Industry, and Trade

- Development and maintenance of service-oriented architecture (SOA)
- Architectural implementation using Phalcon PHP, Symfony, and Laravel
- DAO component implementation for cross-architecture reuse
- AngularJS architecture development
- Systems architectural documentation
- Application deployment documentation
- Job creation and maintenance in Jenkins
- Security guidelines for software projects
- Static analysis policies for quality assessment
- Software quality monitoring with SonarQube
- Version management with Sonatype Nexus

- Application containerization POC creation

Software Architect at CTIS Tecnologia

2015-03 — 2015-12

Ministry of National Integration

- SOA development and maintenance
- Dual backend architectures in Laravel (PHP) and Spring (Java)
- Frontend architecture with AngularJS
- AngularJS component scaffolding tool creation
- Systems architectural documentation
- Jenkins job creation and maintenance

PHP Developer at CTIS Tecnologia

2014-02 — 2015-03

Ministry of National Integration

- Backend development and maintenance with PHP frameworks Zend, Symfony, and Laravel
- Frontend development and maintenance using HTML, JavaScript (jQuery), and CSS

EDUCATION

Postgraduate

Distributed Software Architecture
Pontifícia Universidade Católica de Minas Gerais • 2019

Undergraduate

Systems Analysis and Development
Centro Universitário IESB • 2012

Extension Course

Information Technology Support
Centro Universitário IESB • 2013

Extension Course

Systems Analysis and Design
Centro Universitário IESB • 2012

CERTIFICATIONS



CNCF KUBERNETES CERTIFICATIONS

Kubestronaut • Kubernetes Security Specialist (CKS) • Kubernetes Administrator (CKA) • Kubernetes Application Developer (CKAD) • Kubernetes and Cloud Native Security Associate (KCSA) • Kubernetes and Cloud Native Associate (KCNA)

AWS Certified Solutions Architect - Associate

Amazon Web Services • 2018-10

AWS Certified Cloud Practitioner

Amazon Web Services • 2018-09

LPIC-OT DevOps Tools Engineer

Linux Professional Institute • 2018-09

Zend Certified PHP Engineer

Zend Technologies • 2016-02

LPIC1 - Linux Professional Institute Certified Level 1

Linux Professional Institute • 2012-03

TECHNICAL SKILLS

Platform Engineering

Internal Developer Platforms (IDP), Backstage, Golden Paths, Platform as a Product, Self-Service Infrastructure

Cloud & FinOps

AWS (EKS, Lambda, S3, RDS, CloudFormation, IAM), Azure (AKS, Azure DevOps, ARM Templates), GCP (GKE, Cloud Build, Cloud Functions), Cost Optimization & FinOps, Spot Instances & Preemptible VMs, Karpenter & Cluster Autoscaler, Multi-Cloud Architecture

Infrastructure as Code

Terraform (AWS/Azure/GCP Providers), Crossplane (Universal Control Plane), Ansible & Ansible Tower, Pulumi (Go/Python/TypeScript), CloudFormation & CDK, HashiCorp Vault, Terragrunt & Atlantis

Container Orchestration

Kubernetes (CKS, CKA, CKAD certified), Helm Charts & Helmfile, Kustomize & Overlays, Docker & Podman, containerd & CRI-O, Kind & k3s, Kubernetes Operators

CI/CD & GitOps

ArgoCD & Flux, GitHub Actions & GitLab CI, Tekton Pipelines & Triggers, Jenkins & Blue Ocean, Harness & Spinnaker, Azure DevOps Pipelines, GitOps Workflows & Patterns

DevSecOps

SonarQube & SonarCloud, Snyk & Dependabot, Trivy & Grype, SAST/DAST/IAST/SCA, OPA/Gatekeeper & Kyverno, Falco Runtime Security, Admission Controllers

Observability

Prometheus & Alertmanager, Grafana & Grafana Loki, OpenTelemetry & Jaeger, ELK/EFK Stack (Elasticsearch, Fluentd), Datadog & New Relic, DORA Metrics & SLI/SLO, Distributed Tracing

Developer Experience

DORA Metrics (Lead Time, MTTR), Docs-as-Code (MkDocs, Docusaurus), CLI Development (Go, Node.js, Python), Developer Portals & Backstage, API Design & REST/GraphQL, Technical Documentation, Developer Onboarding & Self-Service

Programming Languages

Go (Kubernetes Operators, CLI Tools), Python (Automation, FastAPI), Shell Script (Bash, Zsh), JavaScript/TypeScript (Node.js, React), Rust (Systems Programming), PHP (Laravel, Symfony), YAML & JSON (Configuration)

Service Mesh & Networking

Istio, Linkerd, Envoy Proxy, Network Policies, CNI (Calico, Cilium), Load Balancing

Cloud Native Storage

CSI Drivers, Persistent Volumes, StatefulSets, Velero (Backup), MinIO, Rook Ceph

API Management

Kong Gateway, Ambassador, OpenAPI/Swagger, GraphQL, Rate Limiting, API Versioning

Databases & Message Brokers

PostgreSQL, MySQL, Redis, MongoDB, Apache Kafka, RabbitMQ

Policy & Governance

Open Policy Agent (OPA), Gatekeeper, Kyverno, Policy as Code, Compliance Scanning, RBAC

LANGUAGES

Portuguese

Native speaker

English

Upper-Intermediate (B2)

Spanish

Basic (reading, writing, speaking)

OPEN SOURCE PROJECTS

tmux-powerkit

The Ultimate tmux Status Bar Framework with 42 plugins, 32 themes, contract-based architecture and intelligent caching system

Kubestronaut

Complete guide to mastering Kubernetes and earning KCNA, CKA, CKAD, CKS, and KCSA certifications — become a Kubestronaut!

Personal Blog

Blog where I discuss topics related to software development and solutions using open source tools

Integr8

Open source project focused on implementing continuous integration / deployment / quality pipelines



TALKS & PUBLICATIONS

2020-02

Using GraphQL with VueJS for Building APIs

Speaker at Canoas/RS presenting about GraphQL integration with VueJS

2020-01

Containers for Anxious People

Speaker at Brasília/DF and Campina Grande/PB presenting container fundamentals