

# Fábio Luciano Nogueira de Góis

## Cover Letter

Passionate about **Technological Innovation** and **Open Source Software**, I hold a degree in **Systems Analysis and Development** and am currently pursuing a postgraduate degree in **Distributed Software Architecture**. I also have certifications in **Software Engineering and Development** and **Cloud Solutions Architecture**.

Currently, I am researching topics related to **Developer Experience**, **Developer Tools**, and other related subjects.

My primary experience and passion lie in **Solution Architecture**, utilizing major *vendors* (**AWS**, **Azure**, and **GCP**) for **Cloud Computing** as well as *on-premises* deployments. I have extensive experience in **Containerization** and **Orchestration** of applications (Kubernetes and Docker Swarm), always using **Infrastructure as Code (IaC)** to manage resources. Additionally, I have extensive experience in designing and implementing **Continuous Integration**, **Continuous Validation and Verification**, and **Continuous Deployment** pipelines.

In application development, I have experience with **JAVA**, **Python**, **PHP**, **ECMAScript**, **GO**, **Rust**, and **Shell Script**.

## Personal Information

### Contacts

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📍 Location: [Brasília, Brasil](#)

### Social Media / Websites

🐙 [Github](#) | [in LinkedIn](#) | [🐦 Twitter](#) | [📠 Telegram](#)

[Personal Blog](#) - Blog where I discuss topics related to software development and solutions using open source tools;

[Resume](#) - This project's target page, which uses AsciiDoc, Python, Docker, and Shell Script to build the resume;

[Integr8](#) - Open source project focused on implementing continuous integration / deployment / quality pipelines;

[Inputs](#) - Project for sharing open source electronics (keyboards, switches, and keycaps).

## Academic

### Distributed Software Architecture - Postgraduate

🏫 Pontifícia Universidade Católica de Minas Gerais 📅 2019 - present

### Systems Analysis and Development - Undergraduate

🏫 Centro Universitário IESB 📅 2012 - 2014

### Information Technology Support - Extension Course

🏫 Centro Universitário IESB 📅 2013 - 2013

### Systems Analysis and Design - Extension Course

🏫 Centro Universitário IESB 📅 2012 - 2012

## Events and Trainings Conducted

### Using GraphQL with VueJS for Building APIs

🗣 Speaker 📅 02/2020 📍 Canoas / RS

Materials: [Presentation](#) | [Supporting Material](#)

## Containers for Anxious People

🗣️ Speaker 📅 01/2020 📍 Brasília / DF

**Materials:** [Presentation](#) | [Supporting Material](#)

## Containers for Anxious People

🗣️ Speaker 📅 11/2019 📍 Campina Grande / PB

**Materials:** [Presentation](#) | [Supporting Material](#)

## Languages

**Portuguese** Native language

**English:** Reading (advanced), writing (advanced), and speaking (advanced)

**Spanish:** Reading (basic), writing (basic), and speaking (basic)

## Certifications

### Kubestronaut

🏢 Cloud Native Computing Foundation 📅 11/2024 - 11/2026 📄 [credly](#)

### Certified Kubernetes Security Specialist

🏢 Cloud Native Computing Foundation 📅 11/2024 - 11/2026 📄 [LF-7jsua78wls](#)

### Certified Kubernetes Administrator

🏢 Cloud Native Computing Foundation 📅 10/2024 - 10/2026 📄 [LF-3p8x4h8k9y](#)

### Certified Kubernetes Application Developer

🏢 Cloud Native Computing Foundation 📅 09/2024 - 09/2026 📄 [LF-5offxxtx08](#)

### Kubernetes and Cloud Native Security Associate

🏢 Cloud Native Computing Foundation 📅 11/2024 - 11/2026 📄 [LF-dmz92j500k](#)

### Kubernetes and Cloud Native Associate

🏢 Cloud Native Computing Foundation 📅 10/2024 - 10/2026 📄 [LF-ave7twx7wn](#)

### AWS Certified Solutions Architect - Associate

🏢 Amazon Web Services 📅 10/2018 - 10/2023 📄 [EZE0CYJ2KB4QQ094](#)

### AWS Certified Cloud Practitioner

🏢 Amazon Web Services 📅 09/2018 - 09/2020 📄 [KZMW4WL21B44QN94](#)

### LPIC-OT DevOps Tools Engineer

🏢 Linux Professional Institute 📅 09/2018 - 09/2023 📄 [LPI000397664](#)

### Zend Certified PHP Engineer

🏢 Zend Technologies 📅 02/2016 - ∞ 📄 [ZEND026303](#)

### LPIC1 – Linux Professional Institute Certified – Level 1

🏢 Linux Professional Institute 📅 03/2012 - ∞ 📄 [LPI000397664](#)

## Technical Knowledge

- Planning and executing infrastructure migration from *on-premises* to the cloud;
- Defining virtual networks as well as security and identity policies in a cloud environment;
- Manual and automated provisioning of computational resources in a cloud environment;
- Efficient application containerization;
- Design, implementation, and deployment of integration, quality, and continuous deployment pipelines;
- Clustering of containerized applications;

## Solution Architecture

### DevOps Architecture

**Tools:** Terraform, Vault, Consul, Vagrant, Packer, Ansible, Fabric

**Application Cluster:** Kubernetes, Docker Swarm;

**CI Tools:** Jenkins, Travis, Tekton, JenkinsX;

**CD Tools:** Spinnaker, Harness, ArgoCD;

**Other Tools:** Helm, Rundeck, Sonarqube, Sonatype Nexus, and Artifactory;

**Monitoring Tools:** Prometheus, Elastic Stack (Elasticsearch, Logstash, Kibana), Fluentd;

**Build Tools:** Makefile, Grunt, Gulp, Webpack, Maven, Gradle, Composer, and Rake;

**Deployment Strategies:** Blue/Green, Canary, A/B, Rolling Update;

**Container Runtimes:** CRI-O, containerd, and Docker;

### Cloud Architecture

#### Amazon Web Services (AWS)

**Network:** VPC, Internet Gateway, Subnets, Network ACLs, Security Groups, VPNs, Peering Connection, CloudFront, Route 53, API Gateway;

**Compute:** EC2, Lambda, Serverless;

**Storage:** S3, EBS, EFS, AWS Backup;

**Database:** RDS, DynamoDB, ElastiCache;

**Development/CI/CD:** CodeStar, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, Cloud9, X-Ray;

**Management and Governance:** AWS Organizations, CloudWatch, CloudFormation, CloudTrail;

**Security, Identity, and Compliance:** IAM, Cognito, Secrets Manager, Directory Service, Guard Duty;

**Application Integration:** Amazon MQ, Simple Notification Service, Simple Queue Service, SWF;

**Cost Management:** AWS Cost Explorer, AWS Budgets;

**Containers:** Elastic Container Registry, Elastic Container Service, Elastic Kubernetes Service.

## Software Architecture and Development

### Programming Languages

PHP, Python, Java, JavaScript, Shell Script, C, Perl, (X)HTML, and CSS

### PHP

**Version Diversity:** PHP 7 and 8;

**Frameworks:** Laravel 4/5, Zend Framework, Symfony, CakePHP, CodeIgniter, Kohana, Smarty Template Engine, FuelPHP, and lithium;

**CMS:** Drupal, Joomla, and WordPress;

**Tools and QA:** APC, PHPUnit, Xdebug, phpDocumentor, and PEAR/PECL.

### JavaScript / ECMAScript

**Metaprogramming Languages:** TypeScript and CoffeeScript;

**Frameworks:** BackboneJS, AngularJS, Angular.io, VueJS (Vuex), and Ember.js;

**Template Engines:** Jade, Haml, Handlebars, and EJS;

**Task Runners:** Grunt, Gulp, and Broccoli;

**Others:** Yeoman, Sass, and Less

## System Administration

- Installation, configuration, maintenance, and tuning of:
  - Linux servers (Debian derivatives, RHEL, OpenSUSE, and Alpine);
  - Application servers such as Apache Httpd, Nginx, Lighttpd, Cherokee, JBoss AS, and Wildfly;
  - Database servers like MySQL, PostgreSQL, and Oracle Database;

## Other

**Databases:** Extensive experience with ANSI SQL, MySQL, PostgreSQL, Oracle, SQLite, NoSQL (MongoDB, CouchDB,

etc.).

**Best Practices:** Extensive experience with object-oriented principles and design patterns.

**Others:** Regular Expressions, Web Services (XML/JSON-RPC, REST, SOAP, GraphQL, etc.).

## Professional Experience

### DevOps Analyst

🏢 03/2023 to Present | 🌐 [MATERA](#) | 🎯 Digital Twin

- Design, develop, and deploy cloud-based solutions with major cloud service providers;
- Design, develop, and deploy solutions based on [Kubernetes](#);
- Infrastructure as code creation using Terraform for solution deployment;
- Setup and configuration of continuous integration and delivery tools (e.g., [Jenkins](#), [Tekton](#), [SonarQube](#), [Sonatype Nexus](#), [GitLab](#));
- Automation of configuration and settings in tools using [Apache Groovy](#), [ShellScript](#), [Python](#), and other languages;
- Definition of CI/CD processes to ensure security and quality in applications;
- CI/CD orchestration using tools like ([Jenkins](#), [Tekton](#), [SonarQube](#), [Sonatype Nexus](#), [GitLab](#));
- Execution of proofs of concept (POCs/MVPs) for continuous testing pipelines for various tiers/languages;
- Design, develop, and deploy monitoring and observability solutions with tools like [Prometheus](#), [Grafana](#), [AWS CloudWatch](#), including dashboards and alerts to track application performance and health.

#### Keywords

Cloud Computing, Azure, AKS, Kubernetes, Terraform, Tekton.

### Tech Lead

🏢 07/2022 to 01/2023 | 🌐 [ActDigital](#) | 🎯 Leadership

- Technical leadership, assisting colleagues in tasks, and creating individual development plans;
- Conducting interviews for internal client teams;
- Multicloud solution design for internal client projects;
- Planning and assessing on-premises to cloud migration strategies.

#### Keywords

Leadership, Cloud Computing, Azure, AKS, Kubernetes, OpenShift.

### Tech Lead

🏢 07/2020 to 01/2022 | 🌐 [PicPay](#) | 🎯 Developer Experience

- Technical leadership, assisting team members and setting individual development plans;
- Documenting and sharing team tools and procedures;
- Implementing new continuous deployment strategies and tools with [Helm](#) and [Harness](#);
- Developing new CI strategies using [Tekton](#) Pipelines;
- Executing POCs for continuous testing pipelines across different tiers/languages;
- Creating playbooks with [Ansible](#) for CI/CD strategy migration support;
- Presenting new features in maintained tools;
- Promoting best practices in code and API governance;
- Developing CLI tools to reduce toil.

### Keywords

Leadership, Cloud Computing, AWS, Pipelines, CI/CD, Quality, Rundeck, Kubernetes, Helm, Harness, Tekton.

## Solutions Architect

📅 01/2018 to 07/2020 | 🏢 [SONDA IT](#) | 📍 Software Factory

- 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;
- CI/CD orchestration using (Jenkins, SonarQube, Sonatype Nexus, GitLab);
- Automated testing (JUnit, PHPUnit, Karma, Jasmine, Cucumber, Codeception, Behat, Cucumberjs) setup for applications;
- Cloud-based solutions design using AWS and Microsoft Azure.

### Keywords

Cloud Computing, AWS, Azure, Terraform, Ansible, Docker, Java, PHP, CAS, Microservices, DevOPS, Jenkins, Angular, GitLab, Nexus, SonarQube, CI/CD, LogStash.

## Software Architect

📅 07/2016 to 12/2017 | 🏢 [CTIS Tecnologia](#) | 📍 [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.

### Keywords

Java, PHP, CAS, Microservices, DevOPS, Jenkins, Angular, GitLab, Nexus, SonarQube, CI/CD, LogStash.

## Software Architect

📅 04/2016 to 07/2016 | 🏢 [CTIS Tecnologia](#) | 📍 [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.

**Keywords**

SOA, PHP, Phalcon, Symfony, Laravel, DAO, Architecture, AngularJS, Jenkins, SonarQube, Nexus, Docker, Container.

**Software Architect**

📅 03/2015 to 12/2015 | 🏢 [CTIS Tecnologia](#) | ➡ [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.

**Keywords**

SOA, PHP, Java, Laravel, Spring, AngularJS, Jenkins.

**PHP Developer**

📅 02/2014 to 03/2015 | 🏢 [CTIS Tecnologia](#) | ➡ [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.

**Keywords**

PHP, Zend Framework, Symfony, Laravel, HTML, JavaScript, JQuery, CSS.