



## GERALDO ANDRADE

### PROFILE

Strategic Senior Software Engineer and technical leader with 16+ years of building enterprise-scale systems and guiding engineering excellence. Specialized in cloud architecture, infrastructure automation, and transforming monolithic applications into resilient micro-services. Combines deep technical expertise in backend development with proven ability to mentor teams and drive organizational growth.

### CONTACT

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### LANGUAGES

English - Intermediate II  
Brazilian Portuguese - Native

### Experience

#### Senior Software Engineer; Frankfurt, Germany — 07/2023-current

Back-end software engineer focused on Python, Kubernetes, Postgres, Kafka, and Azure. My main contributions are:

- Mentoring working students and teammates
- Infrastructure migration from on-premise to Azure Kubernetes
- Identify, trigger the initiative, and implement event-driven architecture

#### Senior Software Engineer / Cloud Architect at banbutsu; Berlin, Germany — 01/2021-07/2023

Back-end software engineer focused on Go, Kubernetes, Postgres, GCP, and Azure. My main contributions are:

- Standardising the flows of CI/CD processes with automations using Gitlab pipelines with containers, deployments using Helm, support the QA team to integrate the pipeline with end-to-end tests
- Architect and implementation of banbutsu's platform using micro-services architecture
- Code as infrastructure implementation using Terraform and Ansible
- Improvement, maintenance, and extension of existing services in Java
- API design, documentation, monitoring, and implementation
- Mentoring other engineers
- Infrastructure migration from Azure to GCP

#### Principal Software Engineer at Humanitec; Berlin, Germany — 12/2018-12/2020

Back-end software engineer focused on Python 3, Django, Go, Kubernetes, Postgres, and Google Cloud Platform. My main contributions are:

- Improvement of CI/CD processes with automatic deployments using Helm, support the QA team to integrate the pipeline with end-to-end tests
- Move from a Python monolith to a Python/Go micro-services architecture
- Improvement of REST API design, documentation and implementation
- Mentoring junior engineers
- Webinars using Humanitec Platform API integrating with Kubernetes in AWS, GCP, and Azure cloud providers.

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**Team Leader at Catho; São Paulo, Brasil — 03/2018-12/2018**

Team leader specialized on web development, team productivity and system performance. My main contributions are:

- People development, technical training, and peers evaluation
- Re-architecture from on premise to cloud infrastructure using AWS
- Web development and tech mentor for Python (Flask, Django e Bottle), Javascript (Backend e Frontend), Java (Spring), Team Work, Scrum, and AWS;

**Senior Software Engineer Specialist, Catho; São Paulo, Brasil — 07/2017-02/2018**

Web development specialist focused on:

- Salesforce integration with existing systems
- Legacy system modernization (PHP 4 and other languages)
- Documentation improvement and standardization;
- CI/CD processes;

**Senior Software Engineer, Predicta; São Paulo, Brasil — 03/2013-06/2017**

Responsible for building, modeling, designing and maintenance of high availability and scalable systems. Not only focused on T.I. and programming but also product development. Experienced in Data Management Platform, AD Serving, Tag Manager, documentation and third-party APIs. Excellent python developer, great Java Programmer, fluent in PHP and JavaScript. Also, acting as DevOps when needed.

**Lead Developer, Agência Blue; Alagoas, Brasil — 07/2012-03/2013**

Full stack developer focused on management, productivity and standardization of all agile projects in Blue Agency. It was responsible for creation of Blue Framework built in PHP 5. The Blue Admin, the Agência Blue's content manager, was based on Blue Framework. All Blue Agency's customers use and liked this CMS.

**Back-end Engineer, Rino; Alagoas, Brasil — 05/2012-06/2013**

Python developer specialized in Django framework (Apache, Python and WSGI), HTML, CSS and Javascript. Worked as frontend and backend developer.

**Back-end Engineer, Plus! Agência Digital; Alagoas, Brasil — 06/2011-04/2012**

PHP 5 developer, Javascript developer, ActionScript 3.0 developer with knowledge on MySQL, configuration and maintenance of Linux/Unix systems. Also have worked with open-source technologies like CSS and HTML.

**Working Student Data Warehouse Developer, UFAL; Alagoas, Brasil — 01/2010-05/2011**

I've migrated the old Data Warehouse (Pentaho) to a new one, SpagoBI. As part of migration process I've recreated some cubes and created new ones for OLAP analysis using JPalo client. At that time I've obtained experience with Java, Tomcat servers e Oracle 10g databases intensively.

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**Intern PHP 5 Back-end Developer, CEPAL; Alagoas, Brasil —  
01/2010-05/2011**

I've developed DeRepente's project portal using Joomla! 1.5 CMS.

**Entrepreneur Web Developer, Brasil Terra Sat; Alagoas, Brasil —  
05/2008-12/2009**

At my own company I've programmed in PHP a System For Landowners to manage their lands.

**Working Student Python Developer, UFAL; Alagoas, Brasil —  
01/2008-04/2009**

I've worked with Plone 2.5 and 3. I've developed components and widgets using ZPT (Zope Page Templates) and internal systems using Django.

### Education

**Technician in Electronics, CEFET, Alagoas, Brasil — 01/1999-12/2003**

CEFET - Centro Federal de Educação Tecnológica, Maceió, Alagoas - 1999 - 2003 (actually known as IFAL - Instituto Federal de Alagoas)

### Skills

- Fast learner, I'm a self-taught professional (curious about science in general)
- Team worker and tech mentor
- Web Engineer and Cloud Architect specialist
- Scrum lover and enthusiast
- Polyglot engineer: PHP, Python, Java, Javascript, Golang
- Automation freak, Github and Gitlab heavy user
- Strong believer of the Right Tool instead of the Silver Bullet

### References

Humanitec - <https://www.linkedin.com/company/humanitec/> - [Dr. Christoph Ritcher](#) and [Chris Stephenson](#)

Catho - <https://www.linkedin.com/company/catho-online/> - [Eber Machado](#) and [Yara Regina](#)

Predicta - <https://www.linkedin.com/company/predicta/> - [Marcelo Kronberg](#) and [Leandro Lages](#)

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