GERALDO ANDRADE

PROFILE

Software engineer with more than 16 years of experience and passionate about backend web development, cloud architecture, and infrastructure. I've built compute-intensive web systems using languages such as Java and Go, running on top of Docker, Kubernetes, at AWS, Azure, and GCP.

Experience

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.

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:

CONTACT

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LANGUAGES

English - Intermediate II
Brazilian Portuguese -
Native

- 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.

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