

Curriculum vitae

Personal data

Name: Andre A.

Technical Knowledge and Skills

Kubernetes, CI/CD, Docker, AWS, Python, Google Cloud Platform, Linux, Terraform



Andre is an experienced engineer with excellent cross-functional and communications skills. He is solving problems in the world of software working closely with Cloud Native software and tooling. A developer and infrastructure veteran, Andre is also well-known for his work on organizing DevOps Days BH and DevOps BH Meetups and presenting talks at events like Google DevFest, CampusParty TDC (TheDevConf) and local Meetups. He writes for andrealmar.com on Cloud Native, DevOps and Site Reliability Engineering.

Andre loves Open Source software and contributing to them. He contributed for some several including Docker. He has an Open Source project called SRE University where people can have a complete study plan to become a Site Reliability Engineer.

He was also a volunteer on the Stanford University Crowd Course initiative which facilitates people to share their knowledge with others, while exploring the possibility of collaborative teaching and course creation.

Education

**September 2015 –
February 2017**

**Brazil
Master of Engineering in Software Engineering, Universidade
Federal de Minas Gerais**

**September 2009 –
February 2011**

**Brazil
Bachelor of Technology (B.Tech.), Information Technology,
Universidade Paulista**

Work experience

February 2022 -
Present

Quiqup, Brazil, Belo Horizonte
Senior Platform Engineer

Stack:

- Elixir,
- Phoenix Framework,
- Google Cloud,
- GitOps,
- Kubernetes,
- Backstage.

Responsibilities:

- Quiqup is a q-commerce technology startup enabling e-commerce businesses, from SMEs to enterprise organizations, with fast, reliable and convenient last-mile logistics services. Headquartered in UAE since 2019, Quiqup's proprietary technology and scalable model supports businesses to meet growing customer demands for online shopping in the region. Its unique operating model provides a superior experience, with fastest delivery, easy integration, in-depth analytics and great customer service.
- My responsibility here is to help the team regarding Cloud Infrastructure, DevOps and Platform Engineering. Current stack involves (but not limited to): Elixir, Phoenix Framework, Google Cloud, GitOps, Kubernetes, Backstage, etc.
- I'm impacting architecture, framework and component decisions using technology to help the business representing engineering across the organization.
- Teaching and mentoring team members.

February 2021 -
February 2022

42Crunch, Brazil, Belo Horizonte
Senior Site Reliability Engineer

Stack:

- Kubernetes,
- Terraform,
- Golang,
- Google Cloud,
- Microsoft Azure.

Responsibilities:

- 42Crunch is an API security startup with a product which aims to protect APIs against attacks listed in the OWASP Top 10 for API Security.
- My responsibility here is to help the team to achieve a better maturity regarding DevOps and SRE in general.
- Working with modernizing CI/CD pipelines, Kubernetes, Terraform, Golang, Google Cloud and Microsoft Azure.
- Writing postmortems, troubleshooting issues and adopting best practices in all-things infrastructure and cloud related.

August 2019 -
December 2020

Grupo Mult, Brazil, Belo Horizonte
Senior DevOps Engineer - Team Lead

Stack:

- Kubernetes,
- Google Cloud,
- AWS,
- Microsoft Azure,
- IaaS (Terraform, Ansible),
- Microservices.

Responsibilities:

- I take the leadership of a team that is focused on the Cloud and DevOps building software and architecture based on cloud-native microservices and infrastructure.
- Helping customers to focus on their platform organization from operations to SRE and architecture guidance, focusing on production readiness and cloud architecture.
- Working in projects as a Team Leader with technologies like: Kubernetes, Google Cloud, AWS, Microsoft Azure, IaaS (Terraform, Ansible) and Microservices.
- Coaching Engineers and customers in agile and lean product management techniques, best practices, software architecture, DevOps lifecycle and Cloud Native.
- Recruiting, hiring and helping onboard new team

members.

March 2018 -
August 2019

Saraiva Educação, Brazil, Belo Horizonte
Senior Site Reliability Engineer

Stack:

- AWS,
- Google,
- Kubernetes Engine,
- GCP,
- BitBucket,
- GitLab,
- Golang,
- Elixir,
- PHP,
- Node.js,
- Rails.

Responsibilities:

- Saraiva Educação (acquired by Kroton) is Brazil's largest education company and one of the largest educational groups in the world. There I'm working in a fast growing environment across 7+ development squads while also part of the hiring committee helping with interviews.
- I've designed and implemented cloud migration from AWS to Google Kubernetes Engine on GCP and also migration from BitBucket to GitLab including CI/CD pipelines.
- Configuring and implementing a monitoring strategy using tools like Prometheus and Grafana.
- Troubleshooting Kubernetes deployed apps and Golang, Elixir, PHP, NodeJS, Rails applications.
- Working in a containerized environment and container orchestration Docker & Kubernetes on GKE (Google Kubernetes Engine).
- Infrastructure provisioning with Terraform.

January 2015 -
February 2018

Oi S.A, Brazil
Senior DevOps Engineer

Stack:

- Python,
- Shell Script (Bash).

Responsibilities:

- Building and operating infrastructure toolset for the CRM platform which handles more than 10k users daily.
- Participated in on-call rotation and incident response, initial triage, ensuring communication and mitigating customer impact during major outages.
- Infrastructure automation and tooling using Python and Shell Script (Bash).
- Root cause analysis of incidents to prevent similar events won't happen again.

May 2013 -
December 2014

CASEMG, Brazil, Belo Horizonte
Technical Lead

Stack:

- PHP,
- Python.

Responsibilities:

- Developed a new website for the company saving 30k in costs
- Responsible for task allocation/estimation and for all sorts of questions/issues raised by the development team;
- Developed a PHP web application (Lei10833) to improve extraction of business reports;
- Having me as the Technology Leader, the Company has already had four successful systems implementations in 1,5 years;
- Developed scripts to automate infrastructure and operations using Python.

December 2012 -
March 2013

Governo do Estado de Mato Grosso, Brazil, Cuiabá
Consultant / Developer

Stack:

- JSF,
- Java,

- Redmine,
- Subversion,
- JavaScript,
- Eclipse,
- Linux,
- PostgreSQL,
- MySQL,
- Ruby on Rails.

Responsibilities:

- Developed a new website for the company saving 30k in costs
- Responsible for task allocation/estimation and for all sorts of questions/issues raised by the development team;
- Developed a PHP web application (Lei10833) to improve extraction of business reports;
- Having me as the Technology Leader, the Company has already had four successful systems implementations in 1,5 years;
- Developed scripts to automate infrastructure and operations using Python.

October 2012 -
May 2013

Tractus Knowledge, Brazil, São Paulo
Technical Lead

Stack:

- Oracle Fusion.

Responsibilities:

- Presentations and PoC's for customers using Oracle Fusion Middleware;
- Worked in some clients in Latin America (Paraguay and Bolivia) doing requirement analysis, business analysis and solutions architecture for Oracle Fusion Middleware and PeopleSoft products;
- Performed operational Oracle Fusion Middleware Administration and DBA duties which included: installation, database upgrades, patching, implementing backup/recovery and monitoring procedures;
- Prepared and delivered presentations to a variety of technical and non-technical audiences.

February 2012 -
November 2011

ASG Group, Australia, Brisbane
Senior Technical Consultant (Middleware Engineer)

Responsibilities:

- While working for ASG Group I've engaged with customers in Australia focusing on helping them implement Oracle Middleware technologies. I've taken a more hands-on role, writing code and defining architecture and standards for Middleware products specially Webcenter Content and Webcenter Portal.

February 2012 -
June 2012

Thiess, Australia, Brisbane
Consultant / Tech Lead

Responsibilities:

- Worked as a Contractor / Consultant;
- Acted as a Team Leader for Oracle Webcenter during Inception and Elaboration phase using Oracle OUM (Unified Method);
- Meetings with the customer to gather requirements and propose solutions;
- Also responsible for setting deadlines and project deliverables.

August 2011 -
November 2011

Grupo ULTRA, Brazil, São Paulo
Consultant

Stack:

- Linux,
- Weblogic,
- IIS,
- Oracle Database,
- Oracle Webcenter,
- Oracle SOA Suite,
- Oracle Identity Management,
- Oracle Business Process Management.

Responsibilities:

- Worked as Contractor / Consultant,
- Responsible for the whole Oracle Middleware Infrastructure of the company's project.
- Delivered 12 environments (development, staging,

production), 3 for each group's company in a 2 weeks (very tight) deadline.

- Integration between Oracle Middleware products.

August 2010 -
August 2011

M.I Montreal Informática, Brazil, Belo Horizonte
Senior Software Developer

Responsibilities:

- Design, architect, and build Oracle Fusion based applications and databases from business requirements through planning and deploying test and production systems;
- Performed operational Oracle Fusion Middleware Administration and DBA duties which included: installation, database upgrades, patching, environment cloning, implementing backup/recovery and monitoring procedures on various customers;
- Provided technical support, operations and problem resolution of systems infrastructure as required.

August 2010 -
May 2011

Procuradoria Geral do Municipio de Belo Horizonte, Brazil, Belo Horizonte
Consultant / Developer

Stack:

- Weblogic,
- Oracle Webcenter,
- Java,
- Oracle Database,
- Oracle SOA Suite,
- Oracle Business Process Management,
- Oracle Identity Management,
- JDeveloper;.

Responsibilities:

- Worked as Contractor / Consultant;
- Design, integration and implementation a new system responsible for electronic processes on District Attorney's office;
- Responsible for making the deployment plan of the system;
- Configured a solution who nobody (on my team) knew

at that time on how to map Oracle BPM roles into Oracle IDM (Identity Manager) and posted to my blog to help the community;

- Integration between the whole stack of Oracle Fusion Middleware solutions;

January 2010 -
August 2010

Ferrous Resources do Brasil, Brazil, Belo Horizonte
Consultant / Software Developer

Stack:

- HTML,
- CSS,
- IdocScript,
- JavaScript,
- IIS,
- Oracle Database,
- Oracle Webcenter,
- Oracle URM.

Responsibilities:

- Worked as a Contractor / Consultant;
- Development of a Content Management System based on Oracle Webcenter;
- Was a member of the Tech Team responsible for gathering requirements, taxonomy, metadata and all that involves content management to parametrize in the system;
- Oracle UCM component development.

April 2008 -
August 2010

ITE Internet e Tecnologia Ltda, Brazil, Belo Horizonte
Software Developer

Stack:

- HTML,
- CSS,
- IdocScript,
- JavaScript,
- Java,
- Oracle Database,
- Oracle SOA Suite,
- Oracle Business Process Management,
- Oracle Identity Management,

- JDeveloper;.

Responsibilities:

- Worked as a Contractor / Consultant;
- Development of a Content Management System based on Oracle Webcenter;
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