

Personal Information

Pedro Sena Tanaka
Married, Brazilian, 28 years old
Public profiles: [LinkedIn](#) / [GitHub](#)



Professional summary

I am a software developer with more than 8 years of experience in web development, delivering applications ranging from PHP to Ruby (RoR); I have more than 2 years of experience in Kubernetes administration with Kops + AWS and 6+ years of experience as sysadmin (physical servers and Amazon EC2), 8+ years of experience with relational databases (MS SQL Server, PostgreSQL, MySQL and others) and NoSQL databases (MongoDB).

Professional Experience

10.2021 - Present – Shopify

Position: Senior Production Engineer

Duties: Helping maintain the Metric pipeline for the company.

Tech Stack: Ruby, Golang, Kubernetes, Prometheus, Cortex.

10.2018 - 08.2021 – Legal One GmbH ([Company website](#))

Position: Senior PHP Engineer / Principal Software Engineer

Duties: Development of customized CRM focused on the process of traffic law, using PHP 7 and Symfony framework (4.4), with some services written in GoLang and NodeJS. The CRM is composed of multiple microservices which communicate through a message bus (using RabbitMQ) to allow decoupling of the services. For ease of deployment the application uses Kubernetes and Helm Charts to allow controlled version rollout for each service. Helped the SRE team through maintenance of Kubernetes cluster deployed on AWS with Kops.

Tech Stack: PHP, Symfony 4, GoLang, NodeJS, TypeScript, VueJS 2, Python, Terraform, Kubernetes, AWS, Gitlab.

01.2018 - 10.2018 – WallBrand Social Shopping ([Company website](#))

Position: Web Development Team Lead

Duties: Led the web development team which is responsible for the WebApp written in React JS and the API written in CakePHP. Migrated the webapp from a server side rendered application to a React JS version, using CakePHP as the backend API. Implemented CI and CD for both the API and WebApp using Gitlab CI system and AWS Elastic beanstalk.

Helped with the development of a new API using Ruby On Rails

Tech Stack: PHP, CakePHP, Ruby On Rails, JS ES 6, React, AWS ElasticBeanstalk, Gitlab.

Q4 2016 - Q1 2018 – WallBrand Social Shopping ([Company website](#))

Position: Remote Full Stack Developer (part-time)

Duties: Helped the team to maintain an existing platform in PHP using the framework CakePHP, then developed a Web API that worked as a back-end for an iOS application. Also, developed a webapp for brand owners using Bootstrap 3 and CakePHP as well, this web application was a server side rendered application. Implemented and maintained infrastructure in AWS using EC2, RDS and S3.

Q1 2016 – Q1 2018 – GoSat Technology in Telemetry ([Company website](#))

Position: Analyst Developer

Duties: Development of stored procedures, maintenance of ETL routines used in data warehousing over MS SQL Server database.

Leader in the development of ReSTful API to handle Identity & Access Management in the core-product of the company, this WEB API is part of a larger software designed with SOA in

mind and was developed using Java with the lightweight library RestEasy (implementation of JAX-RS), moreover this API also used MongoDB as the main storage.

Developed PoCs related with data extraction from MS SQL Server with technologies like Scala, Spark and Elasticsearch.

Tech Stack: C#, MS SQL Server, Java, Scala, Knockout.JS, Spring Boot, Mercurial

2015 – Q1 2016 – State Government of Paraná Brazil

Position: IT Consultant

Duties: Helping teams organize code base using the (DVCS) Git and applying the git-flow branching strategy. Consultancy on the use of the CakePHP framework and its components. Configuration of the server (barebone) in which the application runs.

2013 – 02/2014 – Sinetic (IT Company)

Position: Analyst Developer

Duties: Developed a web application (called *Find*) focused in geomarketing using CakePHP as back-end framework and used libraries/API's such as Google Maps v3, Google Places and Bootstrap.

Managed cloud VPS's [Debian, CentOS] (Amazon EC2) and helped in the maintenance of the physical servers of the company (Debian).

Academic formation

Q1 2017 – Q4 2017 – Nano degree in Deep Learning (Udacity)

Study of the Python language, development of simple models with SciKit Learn, development of complex models such as Convolutional Neural Networks, Recurrent Neural Networks and Generative Adversarial Networks.

List of projects:

- Prediction of bike rental using basic ANN.
- Detection of objects and animals using Convolutional Neural Networks
- Generating TV Show script from old scripts using Recurrent Neural Network
- Creating faces using dataset with celebrity faces using Generative Adversarial Networks

2014 – Q1 2016 – Master's degree in Computer Science (Londrina State University)

Research of movement patterns in trajectory databases. Development of novel algorithms to efficiently detect flock patterns.

Course list:

- *Artificial Intelligence (focus on Artificial Neural Networks)*
- *Database Systems I: Internals of a database management system*
- *Database Systems II: Advanced topics on database systems*

2010 - 2014 – Bachelor degree in Computer Science (Londrina State University)

Bachelor thesis on indexing structures for spatiotemporal data using open-source tools, such as PostgreSQL DBMS.

Languages

English - Advanced / Professional Fluency - (97/120 TOEFL iBT Exam; 830/900 TOEIC Exam)

German - Intermediary- B1

Portuguese - Fluent/Native - Mother tongue

International Collegiate Programming Contest - ACM

Participation in the following years: 2010, 2011, 2012, 2014. In 2014 my team was the second best in the regionals.