



Hugo Ferreira de Almeida

Software Engineer



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English, Portuguese, Japanese,
Spanish



BACKGROUND



ABOUT

I've had the opportunity to work in a number of different environments and on tasks that allowed me to grow professionally and adapt quickly to change and the requirements of business. I'm always eager to learn and get things done. I want to work on challenging problems that impact people's lives. On the technical side, I love software engineering, but above and beyond that, I love solving problems and learning new technologies while continually searching for improvement.



WORK EXPERIENCE

Senior Software Engineer, TenTen

Jul, 2019 - May, 2020 ⌚ 10 months

Project lead for pen-testing and security audit of the beacon Bluetooth communication protocols, Mobile, and all backends across several products. Plan for migration from PaaS to cloud systems and define roadmap and product management.

Remote Senior Software Engineer, DI.FM

Sep, 2016 - Jun, 2019 ⌚ 2 years 9 months

Backend development for the systems and API's that power the DI.FM Mobile and web applications. Part of distributed engineering team working remotely across 4 different continents to deliver the high quality audio experience of DI.FM Built the core technology for the new playlist generation system and the migration to a CDN based approach of the DI.FM products, optimised poorly performing services and API responses across several infrastructure layers.

- Implemented the next generation playlist generation system in a highly performant and extendable structure.
- Migrated and improved general software structure from legacy systems
- Optimised several poorly-performant parts of the system
- Worked with product team and engineering across timezones to execute a major Product change to CDN delivery
- Maintained and refactored multiple of the existing Ruby, Ruby on Rails, MySQL systems.

Software Engineer, TenTen

Apr, 2015 - Sep, 2016 ⌚ 1 year 5 months

TenTen provides customer loyalty-related solutions and is innovating in the vending machine sector by introducing a SmartBeacon inside vending machines. In this role, I planned and built a distributed architecture over several services that allows independent development of each system and a clear separation of concerns. My work, as one of the first backend engineers, was laying out a foundation that enables platform growth while maintaining speed of feature development and reducing the pains associated with rapid growth.

- Planned, designed, and built the backend of the TenTen platform
- Developed React/Express isomorphic web apps
- Designed and built a distributed service architecture using RabbitMQ
- Multiple REST APIs using Rails, Grape and Express
- Platform infrastructure & continuous integration, Heroku, AWS, Compose, CircleCI, and other technologies
- Integrated metric collection and reporting using InfluxDB and Grafana over queue-based events
- Designed the protocol that allows secure communication between the hardware and backend over mobile phones

Software Engineer, Phybbit

Jul, 2013 - Apr, 2015 ⌚ 1 year 9 months

Phybbit is a multifunctional team working on website and mobile applications, interactive experiences, and prototype research. My role at Phybbit was to plan, design, and build customer visions. This involved working as part of the client solution team and with diverse backend, mobile, and web technologies

- Ruby on Rails and Express REST APIs
- Infrastructure planning and management on AWS
- Android applications in eCommerce, Beacons/Bluetooth
- Prototypes and MVP development

System Administrator & Developer, Imagine Virtual

Aug, 2008 - Jul, 2013 ⌚ 4 years 11 months

Design, development and marketing office with a focus on out of the box experiences

- Maintained, monitored and improved infrastructure to support 300+ hosted domains, websites and emails
- Configured and maintained Apache, sendmail, qmail, postfix, exchange server, DNS servers, etc...

Research Fellowship, Instituto Superior Tecnico

Apr, 2012 - Oct, 2012 ⌚ 6 months

Helped my university to manage and maintain the infrastructure needed by employees, students and faculty members.

- Technical support, backup management and troubleshooting
- Network maintenance and migrations

Consulting, Claranet

Sep, 2008 - Dec, 2008 ⌚ 3 months

Technical consulting for the implementation of automatic .pt domain registration

- Implemented and provided support on EPP protocol over the current backoffice
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Technical support and development, Claranet

Aug, 2007 - Aug, 2008 ⌚ 1 year

Technical phone support for webhosting services and development of new backoffice systems

- Implemented the first Portuguese automatic registration module for .pt domains through EPP protocol
- Solved customer issues under Linux and Windows managed through Plesk Control Panel
- Improved current backoffice and created new systems to face new challenges



SKILLS

Web/Mobile Development

Ruby

Ruby on Rails

Javascript

React

RabbitMQ

Express

Nodejs

Java

Android

Software engineering

Agile &&|| Scrum

BDD

12factor

Domain driven development

Software Architecture

Patterns

Continuous integration

User centered development

System Administrator/Dev ops

Linux

Nginx

Apache

MTA

Docker

AWS

Heroku



EDUCATION

Computer Science, Bachelor, Instituto Superior Tecnico

Jan, 2007 - Jan, 2012

16/20



INTERESTS

Hobbies

Salsa dance

Roller skate slalom

Dodgeball

Tech hobbies

Meetups

Coding clubs

Mobile applications

Game development



REFERENCES

Joao Silva

Hugo is a committed person. He sure works to get the best results from whatever mission he has. A good support engineer and an excellent php programmer. At the same time he is walking thought is way to became also a good system administrator.