GUILHERME FERREIRA

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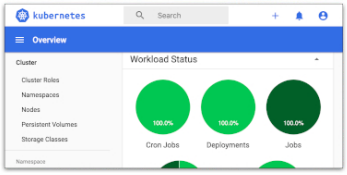
Last update at 09/07/2020

GOAL

I intend to help developer teams to deliver **high-quality** products that add **value** to the customer.

SELECTED WORK



Jan 2019 — @ Beorn Technologies · On-Demand · Toulouse

AWS Cloud Migration, project driver and lead. Migrated the company infrastruture to the cloud currently hosting more than 8 production platforms. Choosed AWS EkS and provided a technical and finalcial study to support it. Cuted $400 in the bill replacing the **AWS ELB to NGINX Ingress controler**.

Implemented a PaaS solution with CI/CD and similar features as **Liferay Cloud Platform**. Build Liferay images with jib and used circleci to orchestrate the deployments.

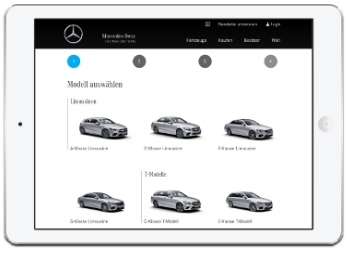
Technologies. Liferay 7.x · Springboot · Java 8 · React / Redux

Oct 2018 — @ Beorn Technologies · On-Demand · Toulouse

Architected and developed Portail Emploi, leaded a team of 5 developers and devilered the first MVP version in less than a month.

Used **JHipster** to accelarate the deveoplment cycles. Integrated with **emploi store API** with industry standard Open API. Desined the project APIs to easly split tasks and distribute the work. Assembled the final project in a SPA inside Liferay CMS.

Technologies. Liferay 7.x · Springboot · Java 8 · React / Redux



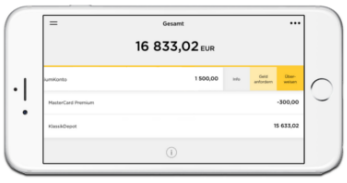
2017 — 2018 — @ Mercedes-Benz.io · Digital Media · Lisbon / Stuttgart

Mercedes-Benz.io Lead developer, mainteined and evolved the **Test Drive Application**. Reduced the leads lost rate to under zero implementing fault tolerance and asynchronous processing mechanism with RabbitMQ and Amazon SES. Reduced the page loading time from 3s, sometimes up to 10s, to 1s by using Hibernate Ehcache.

Rolled out the application every two weeks into more than 25 countries, I managed the releases contents and routinely presented the application evolutions and the roadmap to the top-level management.

Implemented from scratch a back-office application with similar features of **Firebase Realtime Database**

Technologies. Spring Boot · CloudFoundry · Vue · Angular · Kotlin · RabbitMQ · Docker

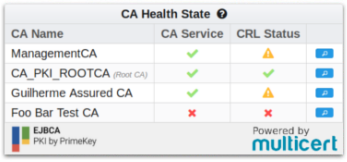


2016 — 2017 — @ Xpand-IT · FinTech · Lisbon / Frankfurt

Commerzbank. Designed and implemented the Enterprise Service Bus of a home banking application used by millions of users. Implemented operations like login, list statements, upload documents, among others.

Implemented a custom **two-phase commit protocol** to assure that operations like immediate transfers could be performed.

Technologies. Red Hat JBoss Fuse · SwitchYard · Apache Camel · WSDL · SOAP



2015 — 2016 — @ Multicert · Cyber Security · Lisbon

Reengineered EJBCA to be used as the first Portuguese Root Certification Authority. From **a project with more than 37 modules and 322K LOC**, I changed the building tool from Apache Ant to Maven. I ended with all errors caused during manual installation by automating it with scripts.

Redesigned the front-end using PrimeFaces, and reduced the time to generate a certificate from 4.5s to 2.1s by improving the lock mechanism.

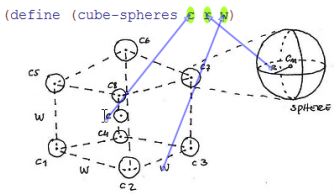
Technologies. JEE 7 · JSP · PrimeFaces · ShellScript · JMeter · Vagrant

2015 — @ Multicert · E-Commerce · Lisbon

Adapted a Digital Certificate eCommerce for physical stores and deployed it at more than 300 **CTT post office stores**.

I optimized the UX/UI experience for tablets and terminals. I exposed a REST endpoint and integrated the barcode 128 algorithm, so the operators could use the scannner to retrieve the certificate price.

Technologies. JEE 6 | Java 7 | Spring Web Flow | JSP | C | JBoss AS 7



2014 — 2015 @ INESC-ID R&D Lisbon

Rosetta. Empowered Rosetta environment with a code playground where users can create their designs by interacting with the code.

Initiated, designed, prototyped, and implemented programming tools such as the **sketch-correlation** tool which correlates image with code illustrating the intent of each piece of code.

Technologies. Racket (Lisp) | DrRacket (IDE) | AutoCAD API | Rhinoceros 3D API | OpenGL

EDUCATION

2013 — 2015

IST. MS in Information Systems and Computer Engineering.

Thesis: **An Enhanced Programming Environment for Generative Design**. I invented a programming environment where architects can implement their sketches, share the code, and create systems. I provided a theoretical foundation and implemented novel programming tools tailored to the generative design domain. Those tools were used in an architectural course by more than 60 students.

2010 — 2013

IST. BS in Information Systems and Computer Engineering.