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 Last update in September 14, 2021

SELECTED WORK

Aug. 2021 — present   @ BlaBlaCar ⚲ Remote
BlaBlaCar, Software Engineer *(Engage Team)*

2021 — Aug. 2021   @ Beorn Technologies ⚲ Toulouse
Orange, Software Engineer *(Orange Business Service)*
- Migrated a monolithic B2B platform into service-oriented architecture. Delivered the first MVP in one month and cut the initial estimation in half by shifting development between teams across different stacks.
- Eliminated code duplication in 30+ projects across the organization by creating a **shared gitlab ci template**.
- Improved SSO authentication security by adding server token validation with **Google Tink**.

Technologies. Liferay CMS   Gitlab CI   OSGi   SiteMinder SSO   helm   kotlin

2020 — 2021   @ Beorn Technologies ⚲ Toulouse
AIRBUS, Software Engineer *(OneWeb Satellites)*
- Reduced time to upload satellites data by 75% by implementing an event-driven architecture with RabbitMQ.
- Added unit tests with a project line coverage of 95%, which reduced the QA backlog from 40H/week to 8H.
- Detected vulnerabilities and critical bugs before the app reaches the UAT env by adding **Snyk orb** and SonarQube to the integration pipeline.
- Helped the client prioritize epics and define the product roadmap.

Technologies. Liferay DXP 7.x   Circle CI   mockk   Cucumber Framework   TDD

2018 — 2020   @ Beorn Technologies ⚲ Toulouse
Beorn Technologies, Software Engineer *(Web platforms and Cloud migration projects)*
- Led a dozen projects within the company to build, evolve and maintain citizens portal like **Toulouse.fr**, **La Rochelle**, **Grand Châtellerault**.
- Build an Application Tracking System that accounted for 30% of the company's annual revenue currently used by **Portail Emploi** and **IUCT**.
- Migrated the company infrastructure to AWS Cloud on top of EKS. Cut $400/month in the bill by implementing a custom **NGINX Ingress to replace the AWS ELB**

Technologies. Kubernetes   Node   Python   AWS

2017 — 2018   @ Mercedes-Benz.io ⚲ Lisbon / Stuttgart
Mercedes-Benz.io, Software Engineer *(**Test Drive** team)*
- 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**. 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   AngularJS   Kotlin   RabbitMQ   Docker

2016 — 2017   @ Xpand-IT ⚲ Lisbon / Frankfurt
Commerzbank, Software Engineer (*Fintech team*)
- Designed and implemented the Enterprise Service Bus of a home banking application that handles 5K+ queries per second.
- 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 ⚲ Lisbon
Multicert, Software Engineer *(CA core team)*
- Reengineered **EJBCA** to be used as the first Portuguese Root Certification Authority.
- Changed the building tool from Apache Ant to Maven from **a project with more than 37 modules and 322K LOC**
- Created an installation wizard that reduced installation problems by 90%.
- Redesigned the front-end using PrimeFaces, which increased sales by 20%.
- 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

EDUCATION

2013 — 2015   ⚲ Lisbon
Technical University of Lisbon. MS in Information Systems and Computer Engineering
(***Major**: Distributed Systems, **Minor**: Software Architecture*)

2010 — 2013
Technical University of Lisbon. BS in Information Systems and Computer Engineering.