

Mariana Costa

SOFTWARE ENGINEER

✉ marianafilipacosta@outlook.com | 🌐 marianacosta.xyz | 📧 marianafcosta | 📷 marianafcosta

Software engineer with over 4 years of experience. Product-focused with a strong sense of ownership and an eye for detail.

Experience

Spendesk GmbH

Berlin, Germany

SOFTWARE ENGINEER

Nov. 2023 - Today

- Developed and maintained **crucial Payment-related services** in different domains: KYC, Ledger, Accounting, Compliance.
- Maintained critical Payment flows, from our **automated customer fund segregation processes** to our **provision decision system**.
- Key contributor in **introduction of international payment methods** for the European market via integration with a third-party BaaS.
- Contributed to an **increase in revenue** generated by our financial assets by leading the implementation of a serverless ETL solution.
- Led the implementation of a **serverless solution** for automating the detection of insolvent customers, **reducing our financial exposure** to misuse of funds and the operational burden of performing these checks daily.
- Collaborated with Compliance and Operations departments to **improve operational efficiency** by automating regulatory report generation and submission.
- **Successfully on-boarded team members** onto Payment services during a significant team re-structuring, allowing them to efficiently get up to speed on both squad-specific and broader payment services topics.
- Contributed to a **significant improvement of my squad's support and resources health metrics** via a comprehensive documentation improvement plan and frequent knowledge sharing sessions aimed at removing silos and promoting collaboration.
- Participated in fire-fighting and on-call rotations, focusing on **long-term improvements** and comprehensive and replicable run-books.
- Developed and maintained an **extensive serverless AWS integration with a third-party BaaS** serving our UK customer base.

Hybrid Heroes

Berlin, Germany

SOFTWARE ENGINEER

Nov. 2021 - Oct. 2023

- Responsible for the **development and maintenance** of a platform designed to conduct psychological studies.
- Worked on features for all of the application's services: a **user-facing application** (React-Native, targeting Web, iOS, and Android); an **administration panel** (Angular); a **Content Management System** (Directus, PostgreSQL); and an **API** (Express, Sequelize, PostgreSQL).
- **Designed and implemented the architecture of an offline-first solution** for the end-user React Native application, using WatermelonDB.
- Developed **internal CLI tools** to streamline the use of Directus's snapshot feature.
- Responsible for the rework of the **company's website** (Next.js, Storybook), alongside a **Content Management System** (Directus, SQLite) for the creation of dynamic landing pages. Assisted with **deployment** using GitLab CI and Docker.
- Introduced **Architecture Decision Records** to the project documentation, which improved the flow and longevity of technical information.
- Actively participated in **internal technical discussions**, having made several presentations regarding how to best align Agile practices with our team's specificities.

Projects

Talk a Bit

Online

CO-CHAIR

Sep. 2020 - Mar. 2021

- First online edition of Talk a Bit, a student-organized conference centered around technology and its impact on society.
- **Oversaw the activities of a 30-member team**, split into several departments.
- Coordinated and assisted the departments whenever necessary, in particular Tech and Communications.

zerozero.live

Porto, Portugal

LGPR @ FEUP - 8 PEOPLE

Feb. 2020 - Jun. 2020

- A web interface for collaborative real-time sports commentary.
- The application was developed for zerozero, one of the biggest sports websites in Portugal, in a multidisciplinary **8-member team** (computer engineering, multimedia, and marketing) following a Scrum-like methodology.
- Adopted an **offline-first** application using redux-offline, Service Workers, and localStorage.

Skills

Programming

TypeScript, JavaScript, SQL, HTML5/CSS

Frameworks/Libraries

Node.js, PostgreSQL, Knex, Sequelize, Fastify, koa, AWS CDK, React, React Native

Tools

Datadog, AWS, Terraform, ArgoCD, Kafka, Debezium, GH actions, Git, Docker, Metabase, Dust, GH Copilot

Methodologies and patterns

Event-driven architecture,DDD, Agile

Languages

English, Portuguese

Education

Faculty of Engineering of the University of Porto

Porto, Portugal

BSC + MSC IN COMPUTER ENGINEERING AND INFORMATICS. GRADE: 17/20

2016 - 2021