

PEDRO SIMÕES

Brussels, 1000 Belgium

+351 924040296 - pedrohdsimoes@gmail.com - **WWW:** linkedin.com/in/pedrohdsimoes -

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PROFESSIONAL SUMMARY

Motivated **Software Engineer** with experience in full-stack web and app development, supported by a solid foundation in software engineering. Proven ability to thrive in both remote and in-person roles, demonstrating strong discipline and teamwork. A quick and eager learner with a genuine passion for technology, I'm driven to continuously grow and contribute to innovative, dynamic companies.

PRODUCTS

- <https://lamina1.com>
- <https://phoenixx.io>
- <https://www.buzzletter.ai>
- <https://bitfashioned.com>

WORK EXPERIENCE

02/2025 to Current **React Native Mobile App Engineer - Freelance**

CiViseu – Remote

- Building a production-ready mobile app using **Expo (React Native)** targeting iOS and Android users for a real-world car inspection center with ~100 daily visitors.
- Integrating **Firestore Authentication** with support for **Google Sign-In** and **Phone Number Verification**.
- Developing a scalable REST API using **Node.js** and **Express.js**.
- Modeling relationships between users, vehicles, and appointments using **Prisma ORM** and **PostgreSQL**.
- Implementing appointment reminders via **Firestore Cloud Messaging (FCM)** with timed notifications
- Scheduling jobs using **node-cron** and server-side validation logic.

08/2023 to Current **Full Stack Software Engineer**

BitFashioned SEZC – Remote

In **BitFashioned**, I'm helping to develop several projects for different clients:

Lamina1 [React, Typescript, NextJs, GraphQL, EVM]:

- Developing the **Web3** Content Creator driven platform - **Lamina1 Hub** - founded by **Neal Stephenson** and **scaled** it from **1000 to 150k active users**.
- Improved the platform performance by 70% by applying techniques for

improving **web performance**.

- Optimized **GraphQL** queries to **improve data retrieval speeds**, enhancing overall application performance significantly.
- Converted the platform into a **Progressive Web App (PWA)** to enable mobile usage increasing the active users.
- Handled millions of data entries and applied **Infinite Scrolling** and **Virtualization** techniques.
- Implemented search functionality using **debounce** and **throttle** techniques.

PhoenixxIO [React, Typescript, EVM]:

- Designed and built the frontend of a secure a **Web3**-friendly messaging platform that offers **private chats** with **crypto payments**, **payment requests** and **expense splitting**.

BuzzLetter [NextJs, NodeJs, PostgreSQL, Redis]:

- Designed and built the frontend from scratch using **NextJS**
- Applied **OpenAI API** to develop an AI newsletter delivering system utilizing **Redis** for queueing.
- Implemented **API** using **Node.js** and **Express.js**

Internal Tools:

- Developed **company** website
- Built a website integration tool for **scheduling Google Meet meetings**, requiring **Google Sign-In**. The tool automatically checked the company calendar for availability and allowed clients to book meetings during open time slots.

09/2022 to 06/2023 **ADAS Software Engineer**

Continental Engineering Services – Porto

- Researched on the performance of human driving and **ADAS algorithms**.
- Developed a tool in Ubuntu OS using **Python** and **C++** for the Virtual Testing and Simulation Team.
- Executed a simulation results dashboard in **React**

04/2022 to 08/2022 **Software Engineer - Freelance**

AHenriques – Porto, Portugal

- Implemented a modular dashboard in **React** for a rubber factory to display live data
- Developed scalable and maintainable code, ensuring long-term stability of the software.

02/2020 to 06/2020 **Flutter App Developer - Freelance**

CiViseu – Viseu, Portugal

- Created and deployed a **Flutter app** for **Android** and **iOS**, designed specifically for a local vehicle inspection center that increased bookings by 20 people per day.

SKILLS

- Typescript
 - React Native (Expo)
 - Express.js
 - GraphQL
 - React.js
 - Node.js
 - PostgreSQL
 - NextJS
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EDUCATION

07/2023 **MASTER: INFORMATICS AND COMPUTATION ENGINEERING**
Faculty of Engineering of University of Porto - Porto, Portugal

01/2021 **BACHELOR: COMPUTER SCIENCE**
Faculty of Science of University of Porto - Porto, Portugal

LANGUAGES

Portuguese:	English:
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Bilingual or Proficient (C2)	Advanced (C1)
Spanish:	French:
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Intermediate (B1)	Beginner (A1)

CERTIFICATIONS

- CAMBRIDGE CERTIFICATE - University of Cambridge - **ADVANCED ENGLISH (CAE)**
- **Front-End System Design Course** (Frontend Masters): Gained expertise in front-end system designs to create scalable, efficient user interfaces.
- **Web Performance Fundamentals Course** (Frontend Masters): Learned the current metrics and techniques for improving web performance.