

Versatile and focused software engineer with over 12 years of commercial experience developing high-performance backend applications. Seeking opportunities to leverage my expertise in software development and leadership skills to contribute to innovative projects.

Work Experience

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|---|---|--------------------------|
| Senior Software Engineer | Ebury, Remote, UK | Jan 2023-Feb 2024 |
| <ul style="list-style-type: none">• Developed and maintained quoting related applications using Python/Django with microservices architecture, integrating FIX messages from liquidity providers and publishing them in Postgres DBs and Kafka pipelines.• Managed treasury related applications built in Python Django with microservices architecture, communicating with 3rd parties via REST APIs and deployed in AWS.• Monitored production systems via Kibana, Prometheus, and Sentry.• Successfully migrated components in C++ to Python using existing architecture and tools. | | |
| Senior Software Engineer | BMW, Critical Techworks, Remote, Portugal | Sep 2019-Aug 2022 |
| <ul style="list-style-type: none">• Implemented BMW AndroidAuto and CarPlay support using C++, Python, QT core, Yocto, iOS, and Android framework.• Developed embedded applications using C++, RabbitMQ, Protocol Buffers, and Covesa tools.• Mentored junior engineers, led proof of concept projects, and facilitated agile (scrum) ceremonies. | | |
| Software Developer | Nokia, Aveiro, Portugal | Nov 2014-Aug 2019 |
| <ul style="list-style-type: none">• Adapted 3G and 4G performance-critical parsers for microservices architecture using C++, Python, and Docker, with multi-telecom vendor support.• Continuously improved support for performance-critical parsers for 2G, 3G, and 4G networks using C++, Python, and Java.• Successfully insourced an ETL component to Nokia systems using C++, Oracle, Red Hat, Python, and VMware, achieving full CI support and increasing test coverage to 100%. | | |
| Junior Software Developer | Galp, Aveiro, Portugal | Sep 2012-Nov 2014 |
| <ul style="list-style-type: none">• Designed and developed new features using Pro*C, C++, C#, PL/SQL, and Oracle DB, providing support as needed. | | |
| Scientific Researcher | Computer Science and Technology Centre (CCTC), Braga, Portugal | Feb 2012-Sep 2012 |

Education and Certifications

- **M.Sc. Computer Science**, University of Minho, Portugal, 17/20 **2009–2011**
- **B.Sc. Computer Science**, University of Minho, Portugal, 14/20 **2006–2009**
- **LFD440: Linux Kernel Debugging and Security**, The linux foundation **2022**

Technologies

- Languages: C++, Python, Java, Bash, strong interest in RUST and Golang
- Frameworks: Boost, QT (core signals), django, fast api, gtest, catch2, pytest, robot framework, Protocol Buffers, Kafka, rabbitmq

- Technologies: AWS, Oracle, MySQL, Postgres, interested in NOSQL, Containers (Docker), VMWare, kubernetes, bash, Jenkins, Git, SVN, Gerrit, Github.