André Ricardo
Senior Software Developer

andre.p.ricardo@gmail.com https://www.linkedin.com/in/andrericardo/ Leiria, Portugal

WORK EXPERIENCE

Software Developer | Zoetis Denmark — Jan 2023 - current
- Development in **Python** and **Yocto** for veterinary testing devices in custom embedded Linux.
- Helped reduce intermittent build failures frustrating the team for months.
- Build internal API **Python FastAPI** to empower users to query data lake.

Senior Python Developer | MADE.COM — May 2022 - Nov 2022
- Note: Nov 2022 MADE.COM went into administration, all staff laid off.
- **Python** coding event driven **Domain-Driven Design** microservices towards replacing the Enterprise Resource Planning (ERP) monolith.
- Full-stack development in **Typescript**, **React**, **Next.js**, **GraphQL API** for web app to quickly look up Stock Keeping Unit inventory information.
- Contributions and troubleshooting skills lead me to be the quickest hire to join the on-call team.

Senior C# Software Developer | HSBC — Sep 2011 – Mar 2022
- Built and delivered in **ASP.NET Core**, **React**, **TypeScript**, **SQL Server** the Mortgages Macro Fair Value Hedging (MFVH) project, hired and led a team of four developers. The MFVH project had a deadline with reputational and economic impact for the bank, the forecasted revenue was in the millions of pounds and for our Global Valuations team it was considered the most important project of the year.
- Converted to **C#** WinForms hedge effectiveness accounting reports from manual error prone Excel processes into automated reports which save accountants hours of manual daily labour and expensive mistakes.
- Fixed **C++** crashes on Excel reports handling millions of pounds that plagued users for years.

Full-stack Developer | The Share Republic.com — Sep 2011 – Oct 2017
- Connected the online share dealing startup with **Java** and **Python** services to the London Stock Exchange, CREST securities settlement, personal ID and Anti-money laundering checks, payment gateway, and historical stock data, to complete its proof of concept.
- Built a stock exchange simulator in **Java AKKA** for limit orders, which allowed to showcase the platform, more than 100 users signed up to play around with paper money.
- Created native **Android** mobile application and **REST API** in **Ruby on Rails** used as another medium to spread access to the online share dealing platform.

Software Consultant | Novabase — Nov 2010 – Aug 2011
- Developed in **Java** and **jQuery** web components connected to **Oracle 10g SQL** database for the new DNS.pt (foundation managing all top-level .pt domains) site, for example one of these coded components was to accept MasterCard and Visa cards.
- Coded SOAP client in **Python** for the 400.000 users migration to the new platform.

Independent Web Developer — Aug 2010 – Sep 2010
- Built the website for the ISCTE-IUL MIT Portugal Venture Competition with **PHP**, **Joomla**, **HTML**, **MySQL**, the client was relieved to launch the site on time for the event, with staff trained on how to update it.

Intern Software Developer | Caixa Mágica Software — Jul 2009 – Jun 2010
- Extended Buildbot in **Python** and created **XEN** virtual machines to automatically build **Linux** RPM packages submitted by the community, saving a lot of manual labour from staff and reducing feedback to the users from days to minutes.

PROFILE

Self sufficient software developer, hard worker, loves Open Source. Eager to learn and share knowledge, no trouble in adapting and working with a variety of different technologies.

EDUCATION

MSc in Computer Science and Management, ISCTE, Lisbon

Thesis "Building a Scalable Index and Web Search Engine for Music on the Internet using Open Source software"

Summer internship, Caixa Mágica, Lisbon

Linux training

SIDE PROJECTS

Portuguese offline dictionary Android native app with Java REST backend

10K+ downloads on Google Play store.
Won a Samsung smartwatch from Google and the Udacity certification for "Developing Android Apps"

SKILLS

Advanced +10 years:
- C#
- .NET
- Git
- Linux
- SQL relational databases

Proficient +3 years:
- Python
- Java
- PHP
- JavaScript
- React
- ASP.NET Core
- REST
- Docker
- AWS

Familiar ~1 year:
- TypeScript
- Next.js
- GraphQL
- Android
- Ruby
- Ruby on Rails