

Filipe Silva

Senior Software Developer + Leadership Student + Maker

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RELEVANT EXPERIENCE

Robert Bosch GmbH - *Senior Software Developer*

JANUARY 2015 - PRESENT | Aveiro, Portugal

- Implemented a RESTful API, on top of a Java+Vert.x stack, providing a group of services responsible for interacting with HVAC appliances.
- Designed RESTful API contracts and documented them with Swagger.
- Collaborated on the migration from a monolith-based architecture to a microservices approach.
- Introduced unit, component, and integration tests using JUnit.
- Conducted code reviews and pair programming sessions on a daily basis.
- Leveraged SonarQube static analysis to improve code quality in parallel with feature development.
- Developed Python scripts for migration and synchronization of users, and their data, between two production MongoDB databases.
- Negotiated development issues with external stakeholders, to guarantee alignment of expectations and needed information sharing.
- Encouraged and conducted 1-on-1s with teammates and managers.
- Built and launched the first version of the team's Knowledge Base.

Maisis - *Backend Software Developer*

MARCH 2010 - DECEMBER 2014 | Aveiro, Portugal

- Implemented JEE solution which handled critical, telecom, services of registering, mapping, and search of the entire country fiber optics network.
- Analyzed customer requirements, while providing estimations of effort, time, and software architecture approaches.
- Created migration scripts and auxiliary PL/SQL procedures to deal with solution corner cases.
- Employed Java profiler analysis to track and refactor the most expensive methods in the current solution.

Microfil - *Junior Software Developer*

SEPTEMBER 2009 - MARCH 2010 | Ovar, Portugal

- Designed and implemented Sharepoint workflows for invoice management solutions.

EDUCATION

Faculty of Engineering of University of Porto, *MSc in Informatics and Computing Engineering*

SEPTEMBER 2004 - JULY 2009 | Porto, Portugal

SKILLS

Programming Languages

Java, Python, SQL, PL/SQL, JavaScript, HTML, CSS

Frameworks & Libraries

Vert.x, RxJava, Flask, Vue, jQuery, Bulma

Tools & Platforms & DBs

Maven, Jenkins, Git, Docker, Azure, GCP, MongoDB

Paradigms & Methodologies

Agile (Scrum, LeSS), Clean Architecture, REST, SOLID

PERSONAL PROJECTS

X Minutes to Read

xminutesstoread.xyz

Just enter the link and get the read time of any article on the Internet.

Win-Win

itswinwinboardgames.com

Takes a user's wishlist of board games and analyses the current market looking for the best prices.

This Week's Worth

thisweeksworth.substack.com

A weekly newsletter I write.

INTERESTS

I love coaching football, reading on military history, cooking Italian food, studying leadership, playing strategy board games, and creating products that improve people's lives.