Guilherme **Pinheiro**

FULL STACK SOFTWARE ENGINEER & SCRUM MASTER

Porto, Portugal

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Personal Statement

I am an engineer passionate about the evolution of technology and its global impact. My drive for innovation is demonstrated through my current pursuit of an Executive Master in Business Innovation and the development of one business venture. I approach challenges with energy and enthusiasm, guided by the core principles of collaboration, proactivity, and determination. Through extensive reading and side projects in finance investment, I consistently look for new ways to grow and create value.

Skills

Technical   .NET, Python, JS, HTML, CSS, SQL
Languages   Portuguese (Native), English (C1), Spanish (A2)

Experience

Nmbrs   *Lisbon, Portugal*
FULL STACK SOFTWARE ENGINEER & SCRUM MASTER   *Aug. 2022 - Present*

- Developed and maintained features for microservices and monolithic architectures to improve platform functionality, and user experience.
- Transitioned from a product-focused to core team, enhancing core technical capabilities and ensuring robust and scalable software solutions.
- Engineered Dutch Payroll AI Assistant, providing customers with rapid answers.
- Engineered the Visma App Switcher and the new Product Navigation, enabling seamless transitions between applications while maintaining user context.
- Utilize .NET and JavaScript (among others), with Azure DevOps and GitHub for CI/CD.
- Led four dynamic teams throughout my journey: started with a client-side team, transitioned to Infrastructure, currently serving Core, and have concurrently supported the Frontend Chapter throughout - promoting a culture of collaboration and accountability across multicultural team members.
- Championed Agile principles with Professional Scrum Master Level I and II certifications to guide effective Agile implementation.
- Managed projects using JIRA and Confluence as the primary project management tools.

LTPlabs   *Porto, Portugal*
JUNIOR BUSINESS ANALYST   *Feb. 2022 - Jul. 2022*

- Designed and implemented two advanced optimization models using Python, SQL, and CPLEX for dynamic time and mileage pricing, fleet planning, and strategic vehicle repositioning.
- Developed user-friendly interfaces in VBA Excel to enable real-time data analysis and decision-making by non-technical users.
- Analyzed large datasets to identify trends and offer actionable insights, enhancing strategic decisions and operational efficiency.
- Collaborated with client stakeholders daily to collect requirements and align project objectives with business goals.

Nmbrs   *Lisbon, Portugal*
QUALITY ASSURANCE ENGINEER   *Jun. 2021 - Feb. 2022*

- Designed a WebApp showcasing expertise in REST API and OAuth 2.0, facilitating external system integrations.
- Created automated testing frameworks with Selenium and Specflows in .NET to enhance system reliability and functionality.
- Conducted API and performance tests using Postman and k6 to optimize and ensure the accuracy and efficiency of the NMBRS's REST API.

Education

Porto Business School   *Porto, Portugal*
EXECUTIVE MASTER BUSINESS INNOVATION   *Jan. 2025 - Present*

Faculty of Engineering of the University of Porto   *Porto, Portugal*
BENG + MENG, ELECTRICAL & COMPUTERS ENGINEERING   *Sep. 2017 - Jul. 2022*

- Graduated with an A.
- Field of studies: Electronics & Automation.
- Master's Thesis Title: "Analytical Revenue Management in a Car Rental Company".
- Master's Thesis Grade: 19 / 20.

Projects

Post2Pod   *In Progress*
- Tired of endless reading lists? Let us do the reading for you. With Post2Pod, transform news articles, blog posts, and newsletters into podcast episodes that you can enjoy on your favorite listening app.

E-commerce Website   *In Progress*
- Developing a user-friendly e-commerce platform from the ground up. This project will provide me with valuable insights and practical experience in web development.

Stock Analysis Tool   *Done*
- Designed and developed a script to assist me in identifying the most crucial pillars when searching for new stocks in the market.
- Created a secure database server to store all the static data required for analyzing companies and the market.
- This projects consists into two main services: stock analysis and economic indicators.
- Project closed: Replaced by AI prompt implementation.

Guilherme's Website   *Done*
- Designed and developed a functional portfolio website that showcases my projects and experiences.

Formula Student FEUP   *Done*
Electronics & Software Department Member   *Sep. 2021 - Jul. 2022*
- First year that our university competed on Formula Student. I was one of the chosen to grow and help the team to develop the first FEUP's fully electric formula racing car.
- Designed and developed the Battery Pack, including choosing the cells, thinking of the best cell disposal, fuses, security relays, Battery Management System (BMS), and cables, among other things. To properly design the accumulator, three departments were connected.
- The first-year concept team got outstanding marks in worldwide competitions. The team accomplished the winning concept team trophy in Silverstone, England, and the best car design. In Parma, Italy, the team got second place overall.

Key Achievements

2024	**Proud,** One-Year Results from the Stock Analysis Tool.	*Side Project*
2022	**Proud,** The operation costs of the car rental company have been significantly reduced.	*Master Thesis*
2022	**Winner,** Best Concept Team, and Best Car Design in Silverstone, England.	*Formula Student*
2020	**Winner,** Eurekathon - Partnership between Food Bank Against Hunger, LTPLabs, NOS, and PBS	*Eurekathon*
2019	**Finalist,** COTEC i4.0 Challenge	*CITEVE*