

# Pedro Bernardino



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## ABOUT ME

Hello, I'm Pedro, a Civil Engineer transitioning into the tech industry and turning my passion for technology into a full-time career as a Developer.

Self-motivated and adaptable, I've built a strong foundation in programming through self-learning and hands-on projects. My journey began with embedded systems using Arduino, then expanded into Python for data scraping and automation, Swift for iOS and macOS development, and server technologies like Proxmox and Docker for virtualization and containerization.

This diverse experience led me to pursue and earn the Oracle Certified Associate (OCA) Java SE certification, solidifying my skills in object-oriented programming and application development.

I'm now eager to contribute my problem-solving mindset and technical expertise to a dynamic team. With a passion for continuous learning and creating efficient, scalable solutions, I'm ready to take on real-world challenges and prove my ability to deliver impactful software.

## CERTIFICATIONS

DEC – 2024	<b>Learn React Course</b> <i>Issued by Codecademy</i>
NOV – 2024	<b>Oracle Certified Associate</b> JAVA SE 8 PROGRAMMER <i>Issued by Oracle</i>

## EDUCATION

2011 – 2013	<b>Master of Civil Engineering</b> Urban Construction <i>Instituto Superior de Engenharia de Coimbra</i>
204 – 2010	<b>Bachelor of Civil Engineering</b> <i>Instituto Superior de Engenharia de Coimbra</i>

## WORK EXPERIENCE

Portalva <b>Production and Construction Manager</b> Civil Engineering	MAR 2018 – AUG 2024 (FT)
Recentescala <b>Construction Manager</b> Civil Engineering	MAY 2016 – OCT 2016 (FT)
JAJB - Construção <b>Quantity Surveyor</b> Civil Engineering	MAR 2015 – FEB 2016 (FT)

## TECHNOLOGIES AND LANGUAGES

JAVA	OCA - Java SE 8 Programmer Spring
WEBAPPS	React.js
DATABASE	SQL, MongoDB
ARDUINO	Microcontroller, Electronics, C/C++
WEB SCRAPING	Python, Selenium, Spynner
MACOS DEVELOPMENT	Xcode, Objective-C, Swift
BETFAIR API	API integration
IOS DEVELOPMENT	Xcode, Objective-C, Swift
PROXMUX	Virtualization, Bash/Shell scripting
DOCKER	Containerization
OPNSENSE	Firewall, Firewall rules Network Security
OTHER	Markdown, $\LaTeX$

## INTERESTS

- Passion for exploring embedded systems and developing hands-on projects with microcontrollers for Home-assistant use.
- Interested in application development.
- Eager to learn more about API integration and building efficient solutions that automate tasks across platforms.
- Exploring the world of server virtualization and containerization.
- Focusing on enhancing network security and configuring firewall solutions for better control and protection.
- Continuously expanding coding expertise in languages such as Java, JavaScript, Python, Swift, and Bash.
- Staying up-to-date with the latest advancements in software development, cloud technologies, and emerging tools.