

# PEDRO LARANJINHA CASIMIRO

CHAMUSCA, SANTARÉM, PORTUGAL

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## ABOUT ME

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Software engineer with 6+ years of experience in backend, frontend, testing, developer tooling, pipelines and infrastructure as code. Passionate about all programming related parts involved in creating a useful or interesting product, including backend, frontend, testing, and others. Most experienced with Typescript and Python but also interested in doing either Go, Zig or C# professionally.

## EXPERIENCE

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### Software Developer - API Mocking with Chaos Engineering

Sep 2022 - Jul 2023

*Sonae MC*

*Aveiro, Portugal*

- Developed an internal Mockoon fork that exposes a runtime interface to specify and add latency and chaos to API mocks for facilitating future improvements in software resilience.
- Created a GitHub repository workflow that automatically verifies and deploys mocks to Microsoft Azure.
- Created a GitHub organization with a certain structure and workflows in place to facilitate the creation of repositories with the above workflow for any amount of teams.
- Created documentation and lead presentations on the relevance of mocks and chaos engineering, as well as how to use Mockoon and the repositories and organization I created to all of the company's development and QA teams.
- Additionally worked on maintenance tasks for .NET and Typescript projects.

### Software Developer

Sep 2022 - Jul 2023

*WIT Software*

*Aveiro, Portugal*

- Internship for my Master's Degree's dissertation.
- Created multiple prototypes resembling the Vodafone TV video streaming application in multiple web frontend frameworks to run on Smart TV's with the Tizen operating system (Samsung TVs).
- Developed a Puppeteer script that connects to the Smart TV and automatically tests and collects metrics on all web frontends used.
- Analysed the metrics obtained in order to figure out the easiest method to migrate an existing React Native application onto Smart TV devices while having the application be performant.

## SKILLS

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**Expertise:** Agile Development, API Development, Android Development, Chaos Engineering, CI/CD Pipelines, Concurrent Programming, Containerization, Data Structures & Algorithms, Database Systems (SQL & NoSQL), Distributed Systems, Infrastructure as Code, Software Design Patterns, Software Security, Software Testing, Web Development

**Programming Languages:** Bash, C#, C, Dart, HTML/CSS, JavaScript, Java, Nix, PowerShell, Python, SQL, TypeScript

**Technologies/Frameworks:** Cuda C, Django, Docker/Podman, Expo, Flutter, Git, Java Spring, Kubernetes, LightningJS, Linux, Microsoft Azure, Mockoon, .NET, NixOS, NodeJS, Puppeteer, React, Selenium, SolidJS, Tizen, Userscripts, web-vitals

**Languages:** Portuguese (native), English (proficient, obtained B2 certification in highschool)

## EDUCATION

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### Master's Degree in Informatics Engineering | 17/20 Grade

Sep 2021 - Sep 2023

*University of Aveiro*

### Bachelor's Degree in Informatics Engineering | 17/20 Grade

Sep 2018 - Sep 2021

*University of Aveiro*