Carlos Menezes

☎ (+351) 968 543 707 | ✉ talk@carlos-menezes.com | ☖ carlos-menezes.com

Education

University of Madeira	Funchal, PT
B.Eng. in Computer Engineering	09/2020 - 06/2023
University of Madeira	Funchal, PT
Associate Degree in Computer and Networking Systems	09/2018 - 06/2020

Experience

Software Engineer	Fourt.io (Yacooba Labs)	01/2024 - Present

- Built a proof of concept for a Web3 wallet which uses Account Abstraction;
- Building the backend system for the fourt.io product using Express, TypeScript, Postgres and TypeORM;
- Building internal and client-facing APIs which follow best practises for REST API design;
- Implementing a domain-driven, highly decoupled system.

Software Engineer	Yacooba Labs	07/2022 - Present

- Worked on implementing the promotional codes functionality for the booking process on Yacooba.com, both on the backend and frontend
- Worked on the many user-facing applications such as the flagship app (at Yacooba.com), the Backoffices (for event producers and staff members) as well as the Scanner for event producers
- Working with TypeScript, React, Postgres and Knex on a daily-basis.

Software Engineer Intern	Altice Labs	03/2020 - 06/2020

- Gained experience with Asterisk and the PJSIP SIP stack
- Developed an application leveraging Asterisk's REST Interface that provided call control, audio playback and audio recording, assessing the feasability of upgrading to the latest version of Asterisk
- Used sngrep and SIPp in order to: analyze and understand the characteristics of the SIP protocol; analyze and understand the SDP protocol to better understand media stream negotiation between peers
- Worked mostly with C++ and sngrep's scripting language

Skills

Programming Languages: TypeScript, Rust, C#, C++, JavaScript, Python
Tools and Frameworks: Git, Next, Linux, React, React, Knex, GraphQL, WireShark, Docker
Languages: Portuguese (native), English (proficient)