Carlos Menezes

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Education

University of Madeira	Madeira, Portugal	09/2020 - 06/202

- B.S. in Computer Engineering

University of Madeira	Madeira, Portugal	09/2018 - 06/202

- A. D. in Computer and Networking Systems

Experience

Software Engineer	Bentley Systems	05/2025 - Presen
Software Engineer	Fourt.io (Yacooba Labs)	01/2024 - 05/202

- 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 - 05/202

- 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 agship app (at Yacooba.com), the Backoces (for even producers and sta 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 - 06/202

- 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

Certifications

EE Playermaker	The Football Association (UK)	08/202
Microservices: Design Patterns	LinkedIn	03/202
Apache Kafka Training Essentials	LinkedIn	03/202

Skills