

# Carlos Menezes

☎ (+351) 968 543 707 | ✉ work@carlos-menezes.com | 📧 @carlos-menezes | 🌐 carlos-menezes.com

## Education

<b>University of Madeira</b> <ul style="list-style-type: none"><li>◦ B.S. in Computer Engineering</li></ul>	Madeira, Portugal	09/2020 - 06/2023
<b>University of Madeira</b> <ul style="list-style-type: none"><li>◦ A. D. in Computer and Networking Systems</li></ul>	Madeira, Portugal	09/2018 - 06/2020

## Experience

<b>Software Engineer</b> <ul style="list-style-type: none"><li>◦ Working on the iTwin project using Electron, React, C++ and TypeScript;</li><li>◦ Delivering software to hundreds of engineers;</li></ul>	Bentley Systems	05/2025 - Present
<b>Software Engineer</b> <ul style="list-style-type: none"><li>◦ Built a proof of concept for a Web3 wallet which uses Account Abstraction</li><li>◦ Building the backend system for the fourt.io product using Express, TypeScript, Postgres and TypeORM</li><li>◦ Building internal and client-facing APIs which follow best practises for REST API design</li><li>◦ Implementing a domain-driven, highly decoupled system.</li></ul>	Fourt.io (Yacooba Labs)	01/2024 - 05/2025
<b>Software Engineer</b> <ul style="list-style-type: none"><li>◦ Worked on implementing the promotional codes functionality for the booking process on Yacooba.com, both on the backend and frontend</li><li>◦ Worked on the many user-facing applications such as the agship app (at Yacooba.com), the Backoces (for event producers and sta members) as well as the Scanner for event producers</li><li>◦ Working with TypeScript, React, Postgres and Knex on a daily-basis</li></ul>	Yacooba Labs	07/2022 - 05/2025
<b>Software Engineer Intern</b> <ul style="list-style-type: none"><li>◦ Gained experience with Asterisk and the PJSIP SIP stack</li><li>◦ Developed an application leveraging Asterisk's REST Interface that provided call control, audio playback and audio recording, assessing the feasibility of upgrading to the latest version of Asterisk</li><li>◦ 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</li><li>◦ Worked mostly with C++ and sngrep's scripting language</li></ul>	Altice Labs	03/2020 - 06/2020

## Certifications

◦ <b>EE Playermaker</b>	The Football Association (UK)	08/2024
◦ <b>Microservices: Design Patterns</b>	LinkedIn	03/2024
◦ <b>Apache Kafka Training Essentials</b>	LinkedIn	03/2024

## Skills

- **Programming Languages:** TypeScript, JavaScript, Rust, C#, C++, Python, SQL
- **Frameworks:** TypeORM, Next, React, Knex, GraphQL, Nest, Diesel, CLAP, Objection, Express
- **Tools:** Git, Docker, Kubernetes, WireShark
- **Languages:** Portuguese (native), English (proficient)