

MIGUEL REMEDIOS

☎ +351964196355 ✉ miguelremedios@gmail.com 🔗 [LinkedIn](#) 🐙 [GitHub](#) 🌐 miguelremedios.pt

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, HTML/CSS, R, MatLab, SQL

Tools: GCP, AWS, Azure, Git/GitHub, YouTrack, Jira

Technologies: NodeJS, React, Angular, NextJS, Express, Fastify, Flask, Spring/SpringBoot, Redux, Pytorch, TensorFlow, Jest, JUnit, PyTest, Docker, MySQL, PostgreSQL, MongoDB, Redis, ORMs, Nginx

Experience

Elecctro

June 2021 – August 2021

Software Engineer Intern

Lisbon, Portugal

- Developed a new robust software client dashboard solution, utilised by 120+ active clients, employing JavaScript and TypeScript by leveraging React for an optimised and modern interface. Successfully replaced Redux implementation with Hooks and Context API for streamlined state management and enhanced performance by 20%.
- Refactored 80% of legacy code, ensuring clean code practices, improved maintainability and boosted system performance. Updated documentation for increased code readability and operational efficiency.
- Spearheaded cross-departmental collaboration for a unified full-stack app, optimising 5000 million internal API server-side requests per month, resulting in transaction's success and no server overload.
- Led project delivery with Git for version control, AWS CodeCommit for code hosting and YouTrack for project management.

TvRemédios Reparações

June 2017 – August 2019

IT Assistant

Lisbon, Portugal

- Installed and configured hardware/software for seamless client operations.
- Diagnosed and resolved hardware issues, ensuring uninterrupted client functionality.
- Configured tailored workstations aligning with individual employee needs for increased productivity.

Education

King's College London

Sept 2022 – Sept 2023

Master of Science – Advanced Computing

London, United Kingdom

Brunel University London

Sept 2019 – July 2022

Bachelor of Science (Hons) – Computer Science (Software Engineering)

London, United Kingdom

Projects

Home Rental Booking System | TypeScript, NextJS, Supabase, Prisma, Kinde, TailwindCSS

February 2024

- Developed a comprehensive home rental booking system application using NextJS (TypeScript), with an intuitive modern UI/UX by using ShadcnUI with TailwindCSS.
- Implemented user authentication using Kinde auth provider, allowing OAuth and traditional authentication.
- Leveraged Supabase backend-as-a-service for database management, to run cloud instances of AWS S3 and PostgreSQL queried by Prisma ORM permitting efficient and scalable database interactions.
- Integrated reservation functionality, geolocation data with maps and enabled wishlist functionality.

Real-Time Cryptocurrency Price Prediction | Python, JavaScript, SQL, AI Models

August 2023

- Designed and implemented a React-based full-stack app for real-time market data retrieval and live price movement predictions using JavaScript.
- Built an Express REST API to store live historical market data from a public API into a PostgreSQL database.
- Developed a Flask REST API, implementing an AI model for real-time unseen market data classification.
- Conducted in-depth comparative analysis in a year-long thesis, evaluating the AI model against other state-of-the-art techniques using Python libraries.

Behaviour-Based Biometrical Continuous Authentication | Java, Python, JavaScript, SQL, AI Model

May 2022

- Developed a full-stack web app in React to collect and store user behavioural metrics in a PostgreSQL database using SpringBoot.
- Implemented a Flask-based API to create a Logistic Regression model to continuously authenticate users and detect intrusions by classifying unseen behavioral patterns against learned user profiles in real-time.
- Researched and built a behavioral pattern authentication mechanism for continuous security monitoring using Firebase.