



Jorge Serras

Electrical Engineer
FreeLancer
Full Stack Developer

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About Me

I'm constantly engaging in new projects and ideas to enhance myself and others around me, always having active personal projects and being involved in early stage projects. Love building new things from scratch. I consider myself a fast learner, learning by doing and researching about the subject independently. By being open minded and having a passion for anything Engineering related, I constantly find myself learning new scopes.

Interested in creating a unique experience?

Education

MSc in Electrical and Computer Engineering

2013 - 2018

Instituto Superior Técnico

Major in Systems, Decision and Control & Minor in Computers

Second Cycle's Average: 17

Merit/Excellence: bit.ly/academic_merit

MSc Dissertation mark: 19

Master Dissertation: bit.ly/jorgeserras_dissertation

Main Work Experience

Research Grant

Oct. 2018 - Feb. 2019

Instituto de Telecomunicações INESC-ID
meteor.jorgeserras.com bit.ly/DBNMeteor

Funded by: Portuguese Foundation for Science and Technology (FCT)

Associated to the research/development of an outlier detection system from patients with cancer, integrated in project PERSEIDS known as METEOR.

A research article is available: mdpi.com/2076-3417/11/4/1955

Technologies:

R Bayesian Networks Shiny - RStudio Java Python

Front-End Developer

Apr. 2019 - Apr. 2020

Forall Phones
forallphones.pt

Participated in building everything Front-End associated including an internal stock controller app (Opsify), Shopify Design and internal management apps using websockets for real time sales tracking and analytics. Constant improvement and support to increase Production efficiency by optimizing UX and minimizing time consumption.

Technologies:

React Redux JS Shopify JIRA Web Sockets Ant Design

Freelancer | Full Stack Developer

Sep. 2019 - Feb. 2021

Nomad Card City Tribrs
app.nomadcard.city app.tribrs.com

Foreign startup with two products aiming at providing cashback rewards for customers through gamification. Nomad Card is a **PWA webapp** for local businesses (uses GeoLocation and QR scanning) while Tribrs is a **Shopify app** for online stores. All the Front-End and part of Back-End was developed by myself being still an active project.

Technologies:

React PWA Node NodeJS Material UI AWS MongoDB Figma

Tech Lead

May 2020 - Feb. 2021

Relive
relive.pt

Leading the Tech Department of a PropTech startup aiming to provide a one-stop-shop real state experience. Our main platform is currently in WordPress while having several internal developed apps mainly for CRM and integrations with other agencies (Idealista, Imovirtual...)

Technologies:

WordPress PHP Node NodeJS Ruby on Rails Heroku Web Hooks CloudFlare MongoDB Google Sheets

Co-Founder & Front-End Developer

Mar. 2020 - Aug. 2020

Muvsy

Company started with the aim of revolutionizing the moving sector by providing an intuitive and simple experience to customers. Project currently on standby due to COVID-19 :(

Technologies:

React Material UI Heroku Figma CloudFlare

Freelancer | Android Developer

May 2021 - Aug. 2021

Wisetrack

Development of an encrypted internal Android app similar to WhatsApp. The app includes messaging, push notifications and own database.

Technologies:

Android Kotlin Java Firebase SQLite Encryption

Main Skills & Tools

Front-End | Style | WebApp

React Redux Gatsby Next.js Sass CSS
 HTML React Native Service Workers JS
 PWA Material UI Ant Design MapBox
 Web Sockets Kotlin

DevOps | Design | Management

Shopify Figma SEO AWS Google Sheets
 WordPress CloudFlare Stripe Heroku Git
 JIRA Trello Miro Firebase

Back-End | Server | DB

NodeJS Ruby/Rails PHP MongoDB Django
 PostgreSQL GraphQL Serverless Slack App
 Linux MySQL Postman S3 Kotlin

Machine Learning | Data

Matlab RStudio Java Data Processing
 Python Shiny C Computer Vision
 Scraping

Electronics | Research

LabVIEW Simulink Arduino Raspberry Pi
 LaTeX PID Control Computer Assembly
 Robotics PSpice Welding

Other Experiences

Lisbon Data Science Prep Course 2021

Academy dedicated to training data scientists from around the globe with the use of Python.

Data Science Python

Image/Video Editing

Experience with Sony Vegas and streaming with OBS as well as logo and graphic design.

3D Modeling & Animation

Personal projects using Blender, Sketch Up and Photoshop.

Hackathon

TecStorm - Developed an app in 48 hours to establish communication and training between Personal Trainers and clients.

Languages

Portuguese Spanish English

Interests

History & Philosophy

Startups

Music

Gaming