

DIOGO SANTOS

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ABOUT ME

Fifth-year Computer Science and Engineering student from Instituto Superior Técnico, focusing on Distributed Systems. Working on my master's thesis about BFT consensus algorithms and Distributed Validator Technology for Ethereum. Looking for a full-time job (SDE/DevOps) with availability to start in November 2024.

PROFESSIONAL EXPERIENCE

Full Stack Developer

Instituto Superior Técnico

Tech Stack: Vue.js (Typescript) + Spring Boot (Java) + MariaDB + Docker

Set 2022 - Today

Lisbon, Portugal

- Developed an application that automates and streamlines the dissertation defense scheduling process, reducing reliance on manual labor.
- Helped department employees with technical support (computers, printers, etc).

Software Engineering Intern

Jungle

Tech Stack: Python + AWS (S3 and SQS) + Kubernetes

Jul 2023 - Aug 2023

Lisbon, Portugal

- Increased data processing throughput by switching from a scheduled workflow approach to a reactive approach.
- Developed a parallel data processing workflow utilizing the Ray framework alongside AWS services such as S3 and SQS.
- Deployed a Ray cluster on Kubernetes.

Outsourcing Consultant

JUNITEC

Tech Stack: React.js (Javascript) + Flutter + AWS (Amplify)

Out 2021 - Mar 2022

Lisbon, Portugal

- Consultant for PSK Analytics, a Dubai-based start-up.
- Built a mobile app for sport data collection which enables football players to track their progress and improve on multiple skills such as dribble, vertical jump, stamina, etc.
- Developed a back office for data and account management.

Front-End Developer Intern

Spin.Works

Tech Stack: Angular.js (Javascript) + Mapbox GL JS

Jul 2021 - Set 2021

Lisbon, Portugal

- Built a PWA prototype to expand the company's product usage to mobile applications providing customers with specific tools to aid precision farming.
- Worked with GPS data, geographical data (GeoJSON) and the Mapbox library for map visualization.

EDUCATION

Master of Computer Science and Engineering, Instituto Superior Técnico

(Current) Average: 17.61/20

2022 - Expected 2024

Bachelor of Computer Science and Engineering, Instituto Superior Técnico

Average: 17.21/20

Academic Merit Diploma (2019/2020, 2020/2021, 2021/2022)

2019 - 2022

SKILLS

Languages

Java, Python, Typescript, Go, bash

Tools/Software/Services

git, Docker, Ansible, Terraform, AWS, GCP