Davide Areias

Software Engineer

Germany
Tübingen

I'm a software engineer with a master's degree in computer science and over 3 years of full-stack development experience. I've delivered scalable web and desktop solutions for companies and associations, working with technologies like Python, TypeScript, React, and Rust. Beyond coding, I've led international tech initiatives through BEST, coordinated IT projects, and collaborated across Europe. Currently based in Tübingen, Germany, I'm ready to contribute to innovative projects and continue growing in tech.

👤 Personal info

Portfolio link   LinkedIn link

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📊 Skills

Django	Python
Docker	JavaScript & TypeScript
PostgreSQL	React
Linux	Next.js
Git	API
Security & Data Protection	Figma

💬 Languages

English	C1
German	A2
Portuguese	Native

👥 Organizational Experience

2023 | Built Organization Website

Led an IT team to brainstorm, design and build a website for BEST Coimbra.

2022 | Led University Hackathon

Organized an IT team to produce the event platform and the technology support during the competition.

2022 | Elected IT Coordinator

For the full academic year of 2022/2023 I was part of the coordination of BEST Coimbra, leading projects and new initiatives.

🌐 International Experience

2024 | Erasmus Master's Thesis

Experienced a different culture during my thesis while working in a German Company.

2023 | AI Summer Course

AI GOT YOU! was a 1 week intensive course in the University of Rome that explored different types of AI.

2023 | Cultural Exchanges

Traveled to France, Italy and Greece in the context of IT Coordinator of BEST Coimbra and explored the city's and the way each Organization runned their IT department.

🗂 Experience

Current - 2024-08

Software Engineer Freelancing
Tübingen

- Automated processes for companies and organizations with AI Agents, saving countless hours.
- Maintained critical software systems using PHP, Python, JavaScript, and Microsoft Server.
- Developed Desktop Applications to help companies process and visualize data (Rust).

2024-07 - 2023-09

Software Development
JLM Innovation, Tübingen

- Delivered a complete scalable solution that empowers customers to make informed decisions regarding their house heating systems.
- Engineered the solution using Python, TypeScript, Next.js, and Git to access external data APIs.
- Managed the full project lifecycle, including client expectations, requirements gathering and refinement, and scalable architecture design.
- Implemented robust security, scalability, testing, and data protection measures, ensuring a high-quality, user-friendly product delivered on schedule.

2022-09 - 2022-06

Frontend Developer Internship
Spotlite, Coimbra

- Developed features for displaying satellite data in formats like interactive tables and customized maps using Angular.
- Authored features for production software, which are still in use today, gaining valuable experience in a collaborative, supportive team environment.

2019-09 - 2016-06

Sales
N'ArteCicus, Monchique

- It was my first job, and I worked there every summer throughout my high school years, selling local crafts at my mother's artisans' association. I gained a lot of people's skills, developed my English and loved serving others.

🎓 Education

2024 | Graduated with a Master's degree in Software Engineer
University of Coimbra, Portugal

2022 | Graduated with a Bachelor's degree in Computer Engineering
University of Coimbra, Portugal

🏆 Competitions

2023 | BIT - Startup Competition
BEST, Lisbon

Our team of three people spent 48 hours during the competition brainstorming, designing, and implementing a platform that allows users to order food at festivals with their phones, avoiding long queues and the risk of losing their friends.

2022 | EBEC - Engineering Competition
BEST, Coimbra

- It was my first time presenting in front of a big group of people.
- Our team designed a product during a 48-hour competition that collects used cooking oil and transforms it into pleasantly scented soap.

2020 | BotOlympics
University of Coimbra

As a team of four, we developed algorithms that ran on small motorized firefighter robots to extinguish fires inside a house.