ANDRÉ RAFAEL SOUSA TEIXEIRA

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Professional Summary

- Master's student in Computer Engineering, passionate about scalable and secure systems
- Hands-on experience in DevOps, mobile/web development, and cybersecurity
- Eager to grow in Agile environments and contribute to innovative IT solutions

Education

- **Computer Engineering** - Instituto Politécnico do Cávado e do Ave   2023 – 2026
  - **Thesis Project** – Effective Interoperability Hub – Jan 2025 – Jan 2026
    - Developing an Industry 4.0 interoperability hub for seamless real-world integration.
      Tools: Node-Red
- **Computer Systems Engineering** - Instituto Politécnico do Cávado e do Ave   2020 - 2023
  - **Curricular Internship –** Etiz - Feb 2023 – Jun 2023:
    - Designed and implemented a feature for uploading images or AutoCAD files of house plans, enhancing data security.
    - Optimized system reliability by fixing 80% of existing integration tests.
    - Developed a CI/CD pipeline using CircleCI, improving deployment automation and efficiency.
      Tools: CircleCI, Node.js, MongoDB, JavaScript, Express, Multer, OpenAPI

Skills

- **Languages**: Python, C#, JavaScript, TypeScript, Kotlin, C, Visual Basic, HTML, CSS, Pascal
- **Frameworks**: React, Node.js, Next.js, NestJS
- **DevOps & Tools**: Docker, Express, Jest, CircleCI, GitHub Actions, Kubernetes
- **Databases**: MySQL, PostgreSQL, MongoDB, Neo4j, Redis, Microsoft SQL Server, SQLite, Firebase
- **Other**: Agile, Scrum, REST APIs, CI/CD, Microservices, Microsoft Fabric, Android Studio, CSV
- **Soft skills**: Continuous learning, Communication, Problem-solving, Team collaboration

Projects

- **AllCarsIn1** – Developed a mobile app for a car stand aggregator, enhancing vehicle listing and search functionalities, significantly improving user experience and operational efficiency.
- **Security Headers in US Universities:** Participated in the development and analysis of a dataset on security headers used by U.S. universities' websites between 2023 and 2024.

Extracurricular Activities

- **IT Support – European Elections**   June 2024
- **CoderDojo Mentor**   2019 – 2020

Languages

- Portuguese – C2 (Native speaker)
- English – B2