Luís Barros

LinkedIn | GitHub | Portfolio

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Summary

Full-Stack Software Engineer with hands-on experience in React, Next.js, Node.js and DevOps practices. Delivered production-ready web and mobile applications, implemented secure deployments (AWS, NGINX, SSL), and set up monitoring solutions (Zabbix, Grafana). Certified in Cybersecurity and TensorFlow. Available for immediate relocation to Switzerland.

Skills

- **Languages:** Portuguese (C2), English (C2), French (B1)
- **Frontend:** React, Next.js, TypeScript, JavaScript, Tailwind CSS
- **Backend:** Node.js, Express, MongoDB, REST APIs
- **DevOps & Infra:** Docker, PM2, AWS EC2, NGINX, CI/CD basics, Linux, Zabbix, Grafana, FortiGate
- **Other:** Git, VS Code, Postman, GLPi, SSL management, TensorFlow (ML), KMeans (anomaly detection)

Experience

Support Engineer (Infrastructure, Monitoring & Cybersecurity)
Lisbon, Portugal
Securnet
Nov 2023 - Ongoing

- Primary Zabbix administrator: deployed advanced dashboards, automated task visualization, and alert pipelines.
- Conducted network security audits and restructuring of legacy infrastructure to close existing security flaws.
- Delivered a client's first full VM image backup solution (oVirt + Python SDK + NAS integration), replacing fragile directory-based copies and ensuring reliable disaster recovery.

Mobile Software Engineer (Freelance)
Remote
Milenia – Informática e Serviços Lda.
Feb 2023 - Ongoing

- Built iOS and Android apps with React Native, delivering full app lifecycle including branding.
- Published applications to both App Store and Google Play Store with minimal supervision.

Full-Stack Software Engineer (Freelance)
Remote
JLP Reparações Auto
Dec 2024 - July 2025

- Designed and deployed a complete car repair shop system using the MERN stack, (live at jlpreparacao.com)
- Reduced booking conflicts to zero through robust REST API logic.
- Hardened deployments using NGINX reverse proxy, SSL certs, and environment configs.

Intern
Guarda, Portugal
Securnet
Jun 2023 – Sep 2023

- Designed an isolated FortiGate network lab with segmented services (web, mail, SFTP) for training.
- Applied unsupervised ML (KMeans) to enhance Zabbix threshold tuning, improving alert quality (0.85 silhouette score).

Certifications

DeepLearning.AI TensorFlow Developer   Fortinet Certified Associate Cybersecurity
CCNAv7 (Introduction, SRWE, Enterprise)

Education

- **Post-Grad in Cybersecurity, European University**   Lisbon, July 2024
- **Bachelor of Computer Engineering, Polytechnic of Guarda**   Guarda, Oct 2023
  Thesis: Intelligent Network Monitoring System