Arthur Lopes

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SOFTWARE DEVELOPER | FRONTEND & MOBILE DEVELOPMENT

About

Experienced software developer with expertise in React Native, React.js, TypeScript, and Node.js. Proven ability to develop and deploy high-quality web and mobile applications, including publishing to Google Play. Strong problem-solving, collaboration, and agile development skills. Adept at clean code principles for maintainable and scalable mobile applications, CI/CD automation, and building scalable, cost-efficient back-end services with AWS Lambda, SQS, API Gateway.

Experiência Profissional

SYDLE — September/2024 – Present
Software Developer

- Actively participated in the development cycle of SYDLE ONE's Service Desk, used by various clients with thousands of users, ensuring alignment with business rules and delivering solutions tailored to each client's specific needs.
- Improved application performance by optimizing Elasticsearch queries, reducing response time by an average of 92%.
- Developed modular components with Stencil and TypeScript, increasing code reusability and reducing development time.
- Developed automated frontend tests with Playwright to ensure UI functionality and user experience consistency, alongside backend API tests using Jest to validate endpoints and data integrity, improving overall application quality and reducing manual testing effort.
- Actively engaged in agile ceremonies and practices such as daily meetings, planning, and reviews, following the Scrum methodology to ensure continuous and client-aligned deliveries.
- Tecnologias: **Stencil, ElasticSearch, Javascript, TypeScript, Git, GitLab**.

ToGov — March/2024 – September/2024
Frontend Developer

- Contributed to the development of a healthcare application serving over 200,000 residents across 5 cities, improving accessibility to medical services.
- Worked in a team environment using agile methodologies such as Scrum, improving team velocity by 15%.
- Designed and implemented a responsive multistep form (wizard) for complex user workflows, splitting long data-entry processes into smaller, focused steps. This improved user experience by reducing cognitive load, lowering form abandonment, enabling progressive validation and autosave, and increasing overall form completion and data quality within the application.
- Tecnologias: **ReactJs, Redux, TypeScript, Node.js, Docker, Git, GitFlow, BitBucket**.

Cinema APP — Repository
Mobile developer

- Development of a **React Native** application for cinema ticket purchases, allowing users to select movies, sessions, and seats through an interactive seat map;.
- Integrated **Supabase** for authentication and database features, **Stripe** for secure online payments, and **Zustand** for efficient state management.
- Implemented **QR code generation and scanning** for quick, reliable ticket validation at cinema entrances.
- Applied **Styled-Components** for consistent, maintainable styling and modular UI development.
- Tecnologias: **React Native CLI, TypeScript, PostgreSQL (Supabase), Zustand, Styled-Components, Git**.

Education / Languages

Bacharelado em Engenharia Mecânica — 2020 - 2025
Universidade Federal de Viçosa (UFV) - CRA: 8.4 — *Viçosa - MG*

English: Intermediate (B1). **Portuguese:** Native.