

Lucas Alves

Backend Software Engineer

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SUMMARY

Backend Software Engineer with 5 years of experience building scalable backend services, APIs, and business-critical applications, with a background spanning backend, mobile, and full-stack development. Currently focused on Elixir, Phoenix, PostgreSQL, and AWS, developing systems for digital banking, employee benefits, fleet management, and local government platforms used by thousands of people every day. Strong background in API design, system integration, performance optimization, asynchronous processing, and software architecture.

SKILLS

Languages: Elixir, JavaScript, TypeScript, Dart, SQL
Backend: Phoenix Framework, Node.js, REST APIs, GraphQL, Oban
Databases: PostgreSQL, Firebase
Cloud & DevOps: AWS (EC2, S3), Docker, Linux, Shell Scripting
Architecture: REST, MVVM, Clean Architecture, Asynchronous Processing
Tools: Git, GitHub, Jira

EXPERIENCE

Backend Software Engineer

Dec 2024 - Present

Idopter Labs · Brazil

- Deliver RESTful APIs in Elixir and Phoenix powering banking, benefits, fleet, and local government platforms used by thousands of people daily.
- Sustain high daily transaction volumes without compromising reliability by architecting business-critical backend features for scale.
- Improve system responsiveness and reduce processing bottlenecks by implementing asynchronous background jobs with Oban.
- Boost API performance by optimizing PostgreSQL queries and streamlining integrations with internal services and third-party financial platforms.
- Accelerate the development cycle by automating recurring workflows with shell scripts and Docker.
- Drive end-to-end feature delivery by partnering closely with Product Managers, Designers, and Engineers across the full software development lifecycle.

Technologies: Elixir, Phoenix, PostgreSQL, Oban, Docker, AWS

Mobile Software Engineer

Aug 2022 - Feb 2025

Idopter Labs · Brazil

- Spearheaded mobile development from day one of a digital banking platform, shaping its technical foundation as lead developer.
- Modernized the mobile stack by leading the migration from React Native to Flutter across multiple production applications, improving long-term maintainability.
- Strengthened code maintainability by introducing MVVM architecture and dependency injection across the mobile codebase.
- Scaled a single codebase into more than 30 branded, white-label apps, multiplying product reach without duplicating engineering effort.
- Enabled seamless data flow across platforms by integrating cross-platform applications with REST and GraphQL APIs.
- Raised team-wide technical capability by delivering internal presentations that shared knowledge across the engineering team.

Technologies: Flutter, React Native, GraphQL, REST APIs

Full Stack Developer

Apr 2021 - Aug 2022

Leal Sistemas · Brazil

- Built and shipped web applications end-to-end using Vue.js, Node.js, and Firebase, from backend services to customer-facing UI.
- Strengthened code reliability across the team by introducing TypeScript into the development workflow.
- Expanded product capability by delivering customer-facing features alongside internal tools that supported day-to-day operations.
- Bridged frontend and backend development to ship cohesive, full-stack features across the product.

Technologies: Vue.js, Node.js, TypeScript, Firebase

EDUCATION

Associate Degree in Systems Analysis and Development

2021 - 2023

UNAMA, Universidade da Amazônia