

Felipe Almada

Senior Backend Engineer | Senior QA Automation Engineer |

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Summary

Senior Backend and QA Engineer with 5+ years of experience developing scalable backend and automation solutions using Python, VB.NET, and JavaScript. Specialized in Clean Architecture and microservices, leading initiatives that reduced post-release defects by 35% and accelerated incident resolution by 70%. Skilled in implementing CI/CD pipelines and test automation to improve software reliability and delivery speed. Fluent in English, experienced in agile environments with strong collaboration and problem-solving skills.

Experience

QA Analyst/ Automation Software Engineer

Digisystem | São Luís, Brazil (On-site)

08/2025 – 05/2026

- Led QA and automation efforts on the Rally Project, improving system reliability and production stability in enterprise environments
 - Executed functional and regression testing in SIGA, identifying 10+ critical defects per release and reducing post-release issues by 35%
 - Improved collaboration between QA and development teams, reducing defect resolution time by 20%
 - Developed automation scripts in Python, reducing manual testing effort by 50% and increasing test coverage by 40%
 - Provided post-go-live support, handling 15+ critical incidents per week and reducing resolution time by 70%
 - Performed root cause analysis (RCA), reducing recurring incidents by 45% and improving overall system stability
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Backend/Frontend Software Engineer

Equatorial Energia | São Luís, Brazil (On-site)

04/2023 – 03/2025

- Contributed to the CRONOS Project, supporting ADMS implementation for critical energy grid operations in a high-availability environment
 - Designed and developed a contingency system (ATC - Customer Service System) using VB.NET, Python, and SQL, ensuring business continuity during primary system failures
 - Integrated the contingency system with ADMS and customer service platforms, enabling fallback operations and uninterrupted access to critical grid data during outages
 - Optimized legacy systems through SQL tuning and validation routines, reducing system downtime by 45%
 - Developed PROINC (Inconsistency Management System) to automate data validation and correction, reducing inconsistencies by 30% and improving database reliability
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Frontend Software Engineer / QA Analyst

Saúde Mais | São Luís, Brazil (On-site)

02/2019 – 02/2020

- Supported QA processes by executing 15+ test cases per cycle, contributing to defect prevention and overall product quality
 - Identified and reported critical defects, helping reduce production issues and improve testing consistency
 - Contributed to testing efficiency by supporting automation initiatives using Python and JavaScript
 - Collaborated with development teams to ensure alignment on requirements and improve defect resolution
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Web Developer

Vale S.A | São Luís, Brazil (On-site)

06/2017 – 02/2019

- Developed web applications to support internal business operations, improving usability and streamlining user workflows
- Enhanced front-end responsiveness and backend integration, contributing to improved application performance and user experience
- Collaborated in development and testing workflows using JavaScript, supporting more stable and reliable releases

Education

Bachelor’s Degree in Computer Engineering – UFMA , Brazil (2024 - Expected: 2026.2 or 2027.1)

Postgraduate Degree in Software Quality Management – Líbano, Brazil (11/2025 - 05/2026)

Postgraduate Degree in Devops – Líbano, Brazil (11/2025 - 05/2026)

Bachelor’s Degree in Science and Technology – UFMA , Brazil (2019 - 2024)

Languages

English: Full professional proficiency

Portuguese: Native

Skills

- **Programming Languages:** Python, JavaScript, TypeScript, C#, VB.NET
- **Backend Development:** Django, Node.js, RESTful API design, scalable systems, microservices architecture, clean architecture
- **Databases:** PostgreSQL, MySQL, MongoDB, SQL optimization
- **QA & Automation:** Test Automation, Functional Testing, Regression Testing, Test Planning, Test Case Design, Defect Tracking, UAT, Contract Testing, Risk-Based Testing, E2E Testing, API Testing, Performance Testing, Pytest, K6
- **DevOps & Tools:** CI/CD pipelines, GitHub Actions, Model Context Protocol (MCP), Selenium (WebDriver), Cypress, Playwright, Kubernetes, Scrum, Kanban, AWS, Cloud, Git, Jira, ServiceNow, Docker, Agile/Scrum, Scalable API design
- **Additional:** Power BI, Prompt Engineering, System Integration

Key Projects & Contributions

Trilhas Program – Backend Development 02/2025 – 07/2025

- Built backend applications by developing REST APIs using Node.js, improving data processing performance and system efficiency
- Enhanced application scalability by structuring services and optimizing data flows with PostgreSQL and MongoDB
- Collaborated using Git and Jira in an agile environment, contributing to consistent and reliable feature delivery

Data Analysis – FSADU 08/2024 – 07/2025

- Extracted and processed Brazilian School Census microdata using Python and Excel, improving data reliability for large-scale analysis and reporting
- Enhanced data quality by performing data collection, cleaning, and validation across large datasets, reducing inconsistencies and improving accuracy
- Generated actionable insights by developing dashboards and reports in Power BI, supporting data-driven decision-making