

Almir A.

Full-Stack Node.js Engineer

I am a specialist full-stack engineer with over eight years of experience building scalable, high-performance web applications, specializing in React, Node.js, Angular, TypeScript, and AWS. I have consistently delivered results by optimizing performance, leading modernization initiatives, and ensuring robust system security across financial and enterprise sectors. With a Bachelor's Degree in Computer Science, I have been promoted to specialist for leadership in critical architecture improvements, front-end performance enhancements, and API security in high-traffic environments. My expertise extends to mentoring teams, designing reusable architectures, and implementing CI/CD pipelines, while thriving in Agile and multicultural teams. I am passionate about continuous learning and excel at contributing beyond code to drive organizational success.

Work Experience

- Softencity 2025 – Present
- Senior Software Engineer**

- Working on the development and maintenance of a large-scale Angular (frontend) and Node.js/NestJS (backend) application for Republic Services, one of the largest waste management companies in the United States.
- Building and evolving a 100% cloud-based application on AWS, designing and scaling distributed Node.js/NestJS services to ensure high availability, fault tolerance, and reliable processing of large data volumes.
- Collaborating in an international and multicultural environment, working with distributed teams and aligning deliveries with global engineering and quality standards.
- Developing Angular pages for waste profile management, implementing complex business rules, validations, and dynamic UI behaviors.

Technologies used: • JavaScript • TypeScript • Angular • Node.js • AWS • NestJS • DynamoDB • Terraform • Docker • GitHub Actions

- Safra Bank 2023 – 2025
- Specialist Full-Stack Engineer**

- Enhanced and developed the online banking platform and mobile banking app for performance and user experience. Reduced login time from 8.5 to 2.5 seconds by optimizing Angular front-end and Node.js back-end logic. Led the modularization of a monolithic frontend into React/Angular micro-frontends to increase scalability. Upgraded AngularJS to

Angular 13, modernizing the platform and aligning with current standards. Participated in system design and architecture decisions.

- Developing, and maintaining RESTful APIs using NestJS, applying best practices for API architecture, modularization, and security. Contributed to API architecture and design decisions for banking services, defining service boundaries, authentication flows, and API contracts to support secure, high-availability platforms.
- Identified and fixed performance issues and memory leaks in Node.js APIs to stabilize systems. Created a reusable multi-authenticator React component to enhance app security across platforms. Led code reviews and enforced development best practices within the team. Integrated performance and availability dashboards using Kibana and Dynatrace for proactive issue tracking.
- Collaborated with DevOps to improve CI/CD pipeline efficiency and deployment stability, using Docker and Jenkins for continuous integration and deployment. Applied Scrum as an agile approach for efficient project management, and Kanban for feature-specific developments to ensure rapid delivery. Led teams in adopting modular architecture, increasing scalability and ease of maintenance.
- Designed and implemented a centralized Design System using React, defining reusable UI components, design tokens, and frontend standards to ensure visual consistency and code reuse across multiple banking systems.
- Acted as Release Leader for banking applications, planning, coordinating, and executing production releases. Worked closely with engineering, QA, DevOps, and business teams to manage release approvals, risk mitigation, rollback strategies, and post-release validation.
- Contributed to the design and evolution of distributed systems supporting online and mobile banking platforms, coordinating multiple backend Node.js services and micro-frontends.
- Implemented and maintained automated testing strategies, including unit, integration, and end-to-end (E2E) tests, for React and Node.js applications.

Technologies used: ● JavaScript ● TypeScript ● Angular ● AngularJS ● React ● Gulp.js ● Express ● NestJS ● Node.js ● MongoDB ● Redis ● Kibana ● Grafana ● Docker ● Jenkins ● Dynatrace ● DevOps ● Scrum ● Kanban ● CI/CD ● UX ● Microservices ● Microfrontends

- **GFT**

2021 – 2023

Senior Software Engineer

- Worked across multiple client projects in diverse industries, focusing on high-traffic financial applications. Enhanced Angular front-end and Node.js back-end performance and increased mobile app store ratings from 2.5/2.8 to 4.3/4.2. Monitored and resolved front-end bottlenecks in Angular applications with up to 2000 requests/minute. Implemented secure data handling in Angular and Node.js to meet security standards. Automated application performance tests using custom Node.js scripts for CI pipelines. Created reusable front-end components to reduce development duplication across squads. Used Kanban methodology to manage feature-specific development and ensure transparent, efficient workflows.
- Collaborated in unifying five separate styling approaches into a single reusable module shared across four systems using React. Developed open banking features aligned with Brazil's Central Bank regulations, reducing compliance costs. Worked directly with product owners to define MVPs and delivery priorities.

- Collaborated with improvements in the front-end performance of a big app, increasing its rating from 2.5 to 4.3 on the Google Play Store and from 2.8 to 4.2 on the Apple App Store. Monitored and resolved front-end issues in high-traffic Angular applications (handling 30 to 100 requests per minute) using Kibana, leading to more robust and performant systems. Implemented security improvements in both the Angular front-end and Node.js API, strengthening application security.
- Led the modernization of a legacy Vanilla JavaScript application, migrating it to a React-based architecture. Redesigned component structure, introduced component-based architecture and global state management using Redux.
- Actively debugged complex production issues, including performance bottlenecks and memory leaks in Node.js services, using logs, monitoring tools, and root-cause analysis. Wrote and maintained automated tests at multiple levels, including unit, integration, and end-to-end (E2E) tests for front-end and Node.js/NestJS back-end services.

Technologies used: • JavaScript • TypeScript • Angular • AngularJS • React • Redux • Gulp.js • Node.js • Nest.js • MongoDB • Redis • Kibana • Grafana • Docker • Jenkins • Dynatrace • Agile • Kanban

• **Nova Tendência**

2021 – 2021

Senior Software Engineer

- Created systems and led multiple teams to make scalable and robust applications. Developed front-end applications using Angular and React with Redux, mentoring junior engineers to adopt best practices. Conducted Scrum routines and implemented continuous process improvement strategies, optimizing team efficiency.
- Spearheaded the development of a calculation system that replaced an inefficient spreadsheet with over 1,000 rows, reducing operation time from hours to under 3 seconds, saving both time and operational costs. Deployed applications in AWS, leveraging cloud solutions for production environments.
- Utilized NoSQL databases such as Redis and DynamoDB to enhance system performance. Designed and deployed microservices-driven architectures, enhancing system flexibility and scalability.
- Implemented scripts for a Data Lake architecture on AWS to centralize, process, and analyze large volumes of structured and semi-structured data. Designed AWS Lambda functions triggered by database insert events to perform data validation.
- Integrated backend services and microservices with the Data Lake using an event-driven architecture, enabling automated data pipelines and supporting analytics and data-driven decision-making across the organization.
- Contributed to the design and evolution of microservices APIs, defining RESTful contracts, data models, and integration patterns to support business-critical calculation and insurance systems. Designed, built, and scaled distributed systems on AWS, coordinating multiple microservices and event-driven components to ensure scalability, fault tolerance, and reliable data processing.
- Worked closely with the DevOps team on Continuous Integration, Delivery, and Deployment (CI/CD) processes, using Git and GitLab for version control and collaboration. Contributed to and supported CI/CD pipelines implemented with AWS CodePipeline, assisting with pipeline configuration.

- Contributed to writing and maintaining automated tests, including unit and integration tests, validating critical business logic and microservices behavior, and supporting test execution within CI/CD pipelines.

Technologies used: ● JavaScript ● TypeScript ● React ● Angular ● Redux ● Node.js ● Java ● AWS ● Amazon EC2 ● NoSQL ● DynamoDB ● MongoDB ● Redis ● SQL Server ● Agile ● Scrum ● CI/CD ● Microservices ● Express ●

• Nova Tendência Software Engineer

2019 – 2021

- Responsible for the development of a tool to calculate and present customized life insurance plans for companies, enabling efficient employee coverage quotations based on business needs. Developed a solution that generates insurance plan options for agricultural businesses, incorporating risk profiles and regional variables to deliver accurate policy estimates.
- Led junior engineers and promoted best coding practices through mentorship. Conducted Scrum routines and applied Agile methodologies to improve team collaboration. Created a complex calculation system that replaced a massive spreadsheet, reducing runtime from hours to seconds, using Node.js and Java. Deployed applications in AWS production environments for better scalability and reliability.
- Leveraged NoSQL databases like DynamoDB and Redis to enhance data retrieval speed. Designed and implemented microservices-based systems for flexible software architecture. Set up CI/CD pipelines for faster feature delivery and rollback capabilities. Monitored cloud cost usage and optimized resource consumption. Applied Scrum as an agile approach for efficient project management.
- Built and maintained front-end applications using React, applying Redux for predictable state management in complex calculation flows and user interactions.

Technologies used: ● JavaScript ● TypeScript ● React ● Redux ● Java ● AWS ● Amazon EC2 ● NoSQL ● DynamoDB ● MongoDB ● Redis ● SQL Server ● Agile ● Scrum ● CI/CD ● Microservices ● Express ●

Education

Bachelor's Degree in Computer Science

Universidade Federal de Juiz de Fora

Skills

- | | | |
|--------------|--------------|-----------------|
| ● JavaScript | ● TypeScript | ● Angular |
| ● AngularJS | ● React | ● Redux Toolkit |
| ● Gulp.js | ● Node.js | ● NestJS |
| ● AWS | ● Amazon EC2 | ● NoSQL |
| ● DynamoDB | ● MongoDB | ● Redis |
| ● SQL Server | ● Kibana | ● Grafana |

- Terraform
- Dynatrace
- Scrum
- Microservices
- Next.js
- Docker
- DevOps
- Kanban
- UX
- PostgreSQL
- Jenkins
- Agile
- CI/CD
- Java