

Alfredo Carlos Nogueira de Castro

Backend focused Full-Stack Developer
Rua M, Cantagalo - Niterói, RJ – Brazil
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Summary

Alfredo is a Full-Stack Engineer with a strong focus on backend and frontend technologies.

His expertise in backend development encompasses database management, API integration, and server-side operations.

Also skilled in creating responsive and user-centric web interfaces using React, Angular, and Vue.js, with a focus on performance and cross-browser compatibility.

Technical Skills

Core Skills

- **Frontend:** HTML, CSS, SCSS, Tailwind CSS, Bootstrap, Angular, React, Vue, Svelte, Redux
- **Backend:** Node.js, Express.js, PHP, Nest.js, Next.js, C#, Python
- **Languages:** JavaScript, TypeScript
- **Data access:** MySQL, MongoDB, PostgreSQL, Oracle
- **Version control:** GitHub, GitLab, Subversion (SVN), Bitbucket
- **Approach:** Agile, EDD, TDD, OOP, Design Patterns, SCRUM
- **Source management:** Jira, Azure DevOps, Trello, Asana
- **Testing:** Mocha, Chai, Jest, Selenium
- **Communication:** Microsoft Teams, Slack, Discord, Telegram, Skype

Miscellaneous

- Experienced with design patterns
- Proficient in object-oriented programming
- Skilled in analyzing and designing algorithms
- Strong communication and teamwork abilities

Work History

Front-End Developer

Hugo Calixto, Brazil

07/2018 - 12/2019

- Developed and deployed dynamic user interfaces using React, Angular, and Vue, resulting in a 20% reduction in load times and improved user engagement.
- Focused on crafting intuitive and responsive UIs with modern JavaScript frameworks, ensuring compatibility across various browsers and devices.
- Built RESTful APIs and integrated them into front-end applications, ensuring smooth interaction between the front end and back end.
- Collaborated with backend teams to integrate RESTful APIs, ensuring smooth data flow between the front end and back end.
- Integrated third-party services and APIs seamlessly into front-end applications, enhancing functionality and user experience.
- Implemented robust security measures in front-end applications, ensuring the confidentiality and integrity of user data.
- Established CI/CD pipelines for front-end applications, automating testing, building, and deployment processes.
- Conducted performance analysis and optimization, using techniques like lazy loading, code splitting, and caching to boost application performance.

Back-End Developer

Kozile, Brazil

01/2020 - 09/2021

- Developed and deployed scalable backend services using Node.js, Express.js, and Django, leading to a 30% boost in system performance and a 20% increase in API throughput.
- Designed and implemented user-friendly UIs with React and Angular, achieving a 25% reduction in load times and a 10% rise in user engagement.
- Built RESTful APIs using Express.js and Swagger, ensuring smooth interaction between the frontend and backend, and integrated third-party services with Axios.
- Managed and optimized databases like MongoDB and PostgreSQL for efficient data retrieval and storage, and implemented robust security measures using JWT authentication and HTTPS.
- Led the adoption of microservices architecture with Docker and Kubernetes, enhancing system scalability and maintainability, and set up CI/CD pipelines with Jenkins.
- Implemented monitoring solutions with Prometheus and Grafana, conducted performance analysis, optimized backend systems for faster response times, and employed caching strategies using Redis and Memcached.
- Worked closely with frontend developers to ensure seamless integration of user interfaces with Node.js-based backend functionality, fostering a cohesive development process, and provided consulting services on cloud-native architecture and DevOps.
- Conducted code reviews and mentored three junior developers, and created numerous test cases for frontend UI using Jest and Enzyme frameworks.

Senior Software Engineer

Superix, Brazil

01/2022 - 06/2024

- Developed back-end services in Microservice architecture using Node.js, Express.js, ASP.NET Core, Spring Boot, Ruby on Rails to implement a state-wide model used by customers.
- Focused on building user-friendly and seamless UIs with Angular and Vue.js, achieving a 25% performance improvement and a 15% increase in customer satisfaction.
- Utilized Express.js to manage user requests and direct them to the appropriate backend controllers.
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- Conducted code reviews and mentored four junior developers.
- Created extensive test cases for frontend UI using Mocha and Chai frameworks.
- Implemented serverless functionalities with AWS Lambda and S3 buckets, and managed messaging services using SQS and SNS.
- Collaborated with the Scrum Master and Product Manager on daily reports, resolving issues related to mapping documents, and planning sprints.
- Worked closely with frontend developers to ensure smooth integration of user interfaces with Node.js-based backend systems, promoting a unified development approach.

Education

Federal University of Rio de Janeiro, Brazil

B. S. Computer Science

09/2015 - 06/2018

Certifications

Certified Svelte Developer - Certification Authority (11/2021)

Certified Node.js Developer - Certification Authority (07/2022)

Certified Svelte Developer - Certification Authority (02/2024)

Personal Quote

" Innovating with Empathy and Precision."

