**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.
* Utilized Express.js to manage user requests and direct them to the appropriate backend controllers.
* 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.”