João Antonio Pereira Bastos

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Technologies

- **Languages:** JavaScript, TypeScript, PHP, HTML5, CSS3
- **Frameworks:** NestJs, Express, React, Next, React-Native
- **Databases:** MySQL, PostgreSQL, Oracle, SQLServer, MongoDB, Redis, SQLite
- **Testing:** Jest, Junit, Vitest
- **UI Kits:** Shadcn UI, Material UI, Semantic UI
- **Tools/Platforms:** Git, Docker, Jenkins, Jira, Trello, Figma, Adobe XD

Professional Experience

Technical Lead   **October 2024 – Present**
Confiax Seguros   Remote, Brasil

- Led the renewal of a platform over six years old that faced maintenance and scalability challenges. My contributions included:
    - Structuring a new project in Next.js 15, defining a modern architecture and quality standards.
    - Standardizing unit testing with Jest and technical documentation to ensure longevity and code clarity.
    - Establishing componentization guidelines with Shadcn UI, documentation via Storybook, and styling with TailwindCSS for visual consistency.
    - Implementing React Hook Form + Zod for reliable validations and Zustand for simple, scalable state management.

    Reduced system complexity, increased team productivity, and accelerated onboarding for new developers through clear documentation and standardization.

- Led the planning and development of the new backend, including database restructuring and migration from MySQL to PostgreSQL, ensuring greater scalability and performance.
- Maintained the legacy system built with NestJS and React, ensuring stability, delivery quality, and operational continuity during the transition to the new system.

Senior Full-Stack Developer   **October 2021 – October 2024**
Rede ConfiaX   Remote, Brasil

- Developed and maintained the 4Seg API using NestJS, creating efficient and scalable endpoints for multiple features
    - Implemented integrations with partners, including insurance quote queues with Bull, webhooks, and background services via cron jobs.
    - Built authorization and permissions systems using CASL in NestJS and React, ensuring robust access control.
    - Designed the OAuth 2.0 authentication API, strengthening user management and security.
    - Optimized workflows and user experience, helping triple the number of daily analyses on the platform.

    Always prioritizing performance, quality, and design, I delivered solutions that exceeded user expectations.

Senior Software Engineer   **October 2018 – Present**
Japbastos   Remote, Brasil

I work on freelance projects helping companies modernize their digital presence and build custom web solutions. Highlights include:

Senior Frontend Developer (Freelancer)   January 2025 – February 2025
VAL Property AI   Remote, Brasil

- Developed the front-end layout for an AI platform for the US real estate sector using React and Tailwind CSS, integrating Google Address API for US locations.

Senior Frontend Developer (Freelancer)   February 2024 – June 2024
Mercado Único   Remote, Brasil

- Built the initial front-end layout for an e-commerce platform using Next.js and Tailwind CSS within the MedusaJS ecosystem.
- Set up the project and established the frontend foundation, completing a well-defined scope within the deadline.

Mid-level Full-Stack Developer (Freelancer)   April 2021 – June 2021
Pede.ai   Remote, Brasil

- Contributed to the new web ordering portal, mainly focusing on backend development with PHP.
- Developed a Node.js microservice for chat between users and providers, adding image upload support with specific rules, improving communication and user experience.

Mid-level Backend Developer   **March 2021 – October 2021**
Catskillet   Remoto, Brasil

- At **Hub Fintech**, segmented the card management system using Node.js and Express, documented APIs with Swagger, and ensured quality with Jest unit tests, enabling the platform to be offered as a white-label solution for major clients.
- At **H.ai Telemedicina**, worked on the backend with Node.js and Express, using WebSocket and audio streaming for real-time communication with medical equipment.

Junior Full-Stack Developer   **August 2020 – March 2021**
Agropecuária Roriz Dantas - AGRODAN   Belém de São Francisco - PE, Brasil

- Contributed to the internal management system, developing backend with Node.js/Express and Sequelize/Oracle and frontend in React, integrating external services; led the creation of a modular georeferenced agricultural planning system (inputs, labor, machinery, and irrigation), resulting in time savings, cost reductions, and significant financial gains for the company.

Education

Universidade Federal do Vale do São Francisco   **Juazeiro - BA, Brasil**
Bachelor's in Computer Engineering   2009–2017

Centro de Ensino Superior do Vale do São Francisco   **Belém de São Francisco - PE, Brasil**
Bachelor's Degree in Mathematics   2005–2011

Languages

- English: B2 (Upper-Intermediate)