

# Joshua John Rodrigues

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Software engineer with 3+ years of experience and a strong willingness to learn and master new technologies.

## Skills

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**Languages:** JavaScript, TypeScript, HTML, CSS.

**Technologies:** ReactJS, NextJS, Redux, Webpack, Vite, Node, Express, Ant Design, SCSS/LESS, Jest, React Testing Library.

**Developer Tools:** Git, BitBucket, SourceTree, Github Actions, Vercel.

## Experience

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**Software Engineer,** [Teknorix](#) – Verna, Goa

Aug 2021 – Present

- **Reduced time-to-market (TTM) by 50%:** Documented and implemented solution architecture for a high-volume customer-facing portal, ensuring code maintainability.
- **Enhanced development speed by 80%:** Experimented and implemented new technologies like PNPM and ESBuild, leading to improved web development speed.
- **Improved build performance by 50%:** Identified and implemented code improvements for Webpack, optimizing build performance and reducing bundle sizes.
- **Designed micro-front-end architectures:** Facilitated code sharing with npm packages, module federation, and git submodules, enhancing developer experience and code reusability.
- **Developed coding standards:** Enforced common coding standards, contributing to ISO certification efforts.
- **Provided technical leadership:** Assisted and mentored developer team members, resulting in faster onboarding and better teamwork.
- **Developed reusable components:** Designed and implemented new components for an in house component library, focusing on reusability and accessibility.
- **Integrated APIs and optimized data management:** Implemented caching, debouncing, and pagination techniques, significantly reducing unnecessary API calls and enhancing overall efficiency.
- **Oversaw a range of projects:** Developed and maintained a range of systems, including customer management, cataloging, ticketing, knowledge base, news sites, data warehousing, document recognition, and asset procurement applications, in a fast-paced cross-functional team environment.
- **Applied Agile & Scrum principles:** Assessed project requirements, helping to prioritize development activities and reduce ad hoc work requests by 30%.
- **Implemented pixel-perfect designs:** Translated designs from Figma and InDesign into functional, mobile/tablet responsive, high-performance web applications.

## Projects

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**Glaucoma Detection using clustering algorithms**

[github.com/Joshuajrodrigues/glaucoma-detector](https://github.com/Joshuajrodrigues/glaucoma-detector)

- Built with Next.js, TypeScript, Tailwind CSS.
- Utilized fuzzy C-means clustering algorithms to find the cup-to-disk ratio of eye fundus images.
- The project received first place among all engineering departments.

**Kognitive**

[github.com/Joshuajrodrigues/kognitive](https://github.com/Joshuajrodrigues/kognitive)

- Built with React.js, TypeScript, Supabase, Chakra UI.
- A cognitive behavioral therapy journaling app for challenging negative thoughts and emotions.

## Education

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**Padre Conceicao College of Engineering** – Bachelor of Engineering in Computers

July 2021