Diego Alves

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Experience

Full Stack Software Engineer, Attitude Fashion – Boston, MA   Mar 2019 – present

- **Tech Stack: React, TypeScript, Node, SQL, REST, GraphQL, Python, Git, Shopify**
- Built and optimized scalable full-stack solutions using React, Redux, Zustand, TypeScript, and Node.js for a Shopify ecommerce store, increasing user engagement by 40%, organic sales by 30%, and improving SEO.
- Enhanced ecommerce store stability, performance, and maintainability, reducing load times and boosting Lighthouse scores to 95%.
- Integrated REST and GraphQL APIs to automate product deployment to Amazon and eBay, doubling online sales.
- Automated content creation and key business processes using AI and Python, increasing operational efficiency.
- Partnered with designers to assess technical feasibility of designs and seamlessly integrate research-driven UI prototypes into high-performance, user-friendly interfaces.
- Led code reviews, implemented unit testing strategies, and adhered to agile best practices to ensure code standards and quality.
- Monitored production environments, proactively troubleshooting and optimizing deployments to ensure high availability and minimal downtime.
- Integrated CI/CD pipelines using Docker and AWS, automating deployments and improving efficiency.
- Mentored junior developers on best practices.

Front End Engineer, UI/UX Engineer, Illumina – San Diego, CA   Nov 2017 – Mar 2019

- **Tech Stack: React, TypeScript, JavaScript, Bootstrap, Node, Git, NoSQL, Figma**
- Developed and optimized a React.js application that automated DNA protocol creation, enhancing workflow efficiency by 25% through streamlined UI/UX improvements.
- Led team effort in transitioning a React codebase to TypeScript, improving type safety, developer productivity, and reducing runtime errors by 40%.
- Established automated unit testing using Jest and React Testing Library, increasing codebase reliability and reducing production bugs by 30%.
- Created interactive Figma prototypes and led usability testing with scientific users, uncovering key insights that enhanced navigational efficiency and adaptability by 20%.

Front End Developer, Lead Technical Writer, Rediker Software – Hampden, MA   June 2015 – Nov 2017

- **Tech Stack: HTML, XML, CSS, JavaScript, Bootstrap, jQuery, Git, Adobe XD**
- Developed web app in JavaScript, HTML, CSS, and XML, providing customers with seamless access to e-learning resources and enhancing engagement by 40% through usability tests.
- Led a team of technical writers to produce over 1000 e-learning resources for school software, resulting in a 30% reduction in tech support calls, greater user retention, and improved overall satisfaction.
- Implemented accessibility and responsive design best practices, ensuring an inclusive experience across multiple devices and screen sizes.
- Integrated REST APIs to dynamically deliver personalized e-learning content, improving content discoverability and user experience.

Education

Northeastern University, MS in Computer Science – Boston, MA

- **Coursework:** Full Stack Web Development, Cybersecurity, Networking, Databases, UX HCI, AWS DevOps, Algorithms, Scalable Software Development

University of Massachusetts, BA in Software Technical Writing, English – Amherst, MA

University of Massachusetts, BA in Linguistics – Amherst, MA