Joshua Forisha

Las Cruces, NM · https://www.linkedin.com/in/joshforisha/
josh@forisha.com

Senior Frontend Engineer

With over a decade of experience spanning various roles, I excel in software engineering with a focus on web development and interface design. My expertise lies in leading teams to migrate codebases, improve performance, and enhance user experiences through modern technologies. I pride myself on fostering collaboration, standardizing design systems, and enabling others to deliver top-quality solutions in fast-paced environments.

Work Experience

Senior Software Engineer · Remote · Full-time   Apr 2022 – Feb 2024
Mighty Networks
- Led conversion of Backbone interface to React in TypeScript, increasing codebase to 30% type-driven components and thorough unit tests using Jest
- Developed full-stack features with Ruby on Rails backend, new interfaces with Marionette, and integrations including Web3 and ConvertKit, enabling dozens of new customer features
- Built foundation for a fully responsive design system co-authored with designers, standardized in Figma and backed by type-safe properties across platforms, enhancing consistency and accessibility

Lead Web Developer · Remote · Full-time   Oct 2020 – Apr 2022
Ario
- Rewrote main customer portal from PHP to Node.js and React, standardizing an Express-based RESTful API and component library to greatly streamline web interfaces
- Converted frontend codebase to TypeScript, added Jest unit test coverage and styled-components styling library, increasing velocity by 5x
- Created real-time web app for cross-platform video calling, with robust AR collaboration tools, within an Electron-compatible TypeScript container

Senior Frontend Developer · Dallas, TX · Full-time   May 2019 – Aug 2020
Hypergiant
- Developed AI-centric web applications for client and internal projects, including an interactive tool for displaying long-term effects of COVID-19 on climate change
- Explored research projects around advanced space simulations within a 3D environment, converting a Haskell project into a real-time astronomical platform, written in TypeScript, React, Three.js, WebGL
- Co-authored a design system utilizing design-standardized React components, emphasizing brand identities for a group of international industrial companies

Software Engineer (Interface) · Dallas, TX · Full-time   May 2013 – May 2019
IBM Cloud
- Converted SoftLayer cloud services platform from PHP and ExtJS to a microservice-based Node and React ecosystem, enabling faster development and greatly increasing productivity
- Led adoption of React and flux technologies, training and mentoring junior developers on implementing well-crafted interfaces with functional approaches and type-safe data layers
- Developed various UI projects utilizing Docker and Kubernetes, with backends in Elixir, Phoenix, and GraphQL, enabling streamlined requests through microservices in an event-driven real-time format

Web Developer · Plano, TX · Full-time   Jun 2008 – May 2013
Oakwood Software
- Designed and implemented an MVC-based PHP framework, converting critical COBOL insurance software applications into web products, greatly increasing resiliency and capabilities
- Developed extensive frontend library of JavaScript components, backed with best practices for CSS, standardizing the codebase to enable other developers to build faster and more consistent UIs

Education

Bachelor of Science, Computer Science
University of North Texas · Denton, TX

Skills

Accessibility, Agile, Backbone.js, CSS, Deno, Electron, Elixir, Elm, Figma, Git, GraphQL, HTML, Haskell, JavaScript, Jest, Marionette.js, MySQL, Node.js, PHP, PostgreSQL, Rails, React, Ruby, Sass, Three.js, TypeScript, UX, WebGL, Webpack