

Harshil Moradia

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Software Engineer with 7 years of experience specializing in building scalable, high-performance web applications. Skilled in developing and upgrading micro frontend architectures, optimizing CI/CD workflows, and ensuring seamless framework migrations. Passionate about front-end performance, developer tooling, and enhancing user experience through modern web technologies. Experienced in Angular, React, TypeScript, and scalable UI design with a strong focus on maintainability and efficiency.

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, Python

JavaScript libraries: Angular, React, StencilJS

Databases: MySQL, MongoDB

CSS: CSS modules, Styled Components, Tailwind CSS, Sass, MUI

Unit testing: Jest, Storybook, Mocha, Karma, Cypress

Additional Skills: Redux, Next.js, GraphQL, Yarn, npm, Webpack, Gulp, ESLint, OAuth, Jenkins, AWS, Azure, Vercel

Experience

Adhoc | Remote

Senior Software Engineer (public trust clearance) | Aug 2021 - Present

- Develop and maintain component library, CSS library, and design system consistency which is being used across enterprise applications.
- Develop highly optimized and reusable web components with StencilJS, Storybook, React, TypeScript, Jest, and react testing library, reducing redundant code and accelerating frontend development by 40%.
- Engineered a powerful component and form library in React with formik enabling seamless integration and customization, leading to a 30% reduction in development time.
- Implemented robust form validation logic using custom validation chains ensuring error-free data handling and enhanced user experience across applications.
- Developed dynamic, browser-compatible, and fully responsive interfaces using React Router, ES6, JSX, Babel, Redux, TypeScript, HTML5, and CSS3, ensuring seamless navigation, interactivity, accessibility, and improved usability across devices.
- Configured AWS CloudWatch to monitor frontend logs, API errors, and performance metrics, enabling faster diagnosis of production issues and improving incident response time.
- Actively contribute as a member of the Community of Practice for Front-End Development and Tier 2 Support, addressing deployment-related queries and providing guidance on front-end issues.
- Deployed and managed React applications on AWS services such as S3 (static hosting), and CloudFront (CDN) ensuring high availability and low latency across regions.
- Actively contributed to code reviews, providing feedback that improved code maintainability.

UPS | Parsippany, NJ

Intermediate Application Developer | May 2019 - Aug 2021

- Developed and maintained a web application using Angular as a micro frontend architecture.
- Independently led the upgrade of 9 micro frontends from Angular 7 to Angular 15, improving performance, security, and maintainability while ensuring backward compatibility.
- Implemented optimized HTTP requests using RxJS Observables, reducing API response handling time by 40% and improving app responsiveness.
- Integrated OAuth authentication, enabling secure API communications and protecting sensitive user data across multiple services.
- Refactored and upgraded a custom Material CSS library to be fully compatible with Angular 15, enhancing UI consistency and reducing technical debt.
- Optimized and streamlined CI/CD workflows to support Node.js version upgrades, ensuring smooth deployment and reducing build failures by 100%.
- Actively participated in milestone sprint demos, providing and integrating feedback from business owners to refine product features and enhance user experience.
- Collaborated with business analysts to translate business requirements into actionable Power BI reports, enabling data-driven decision-making and improving reporting efficiency.
- Developed a responsive UI using Angular 2, Material, TypeScript, and HTML/CSS, implementing a component-based architecture to improve scalability and maintainability.
- Implemented role-based access control (RBAC) using Angular routing, restricting admin functionalities and improving application security.
- Contributed to the UPS Edge program initiative by optimizing UI for packaging hub efficiency, streamlining workflows and improving operational accuracy.
- Developed a Proof-of-Concept (POC) shipping ChatBot using Bot Framework, Node.js, and Azure Cognitive Services, enabling conversational AI-driven interactions for generating shipping labels and enhancing user experience.

Education

Master of Science in Computer Science, New York Institute of Technology (2018)

Bachelors of Science in Computer Engineering, Ahmedabad Institute of Technology (2015)

Projects

[Reveal once](#) (2024)

Built a secure, end-to-end encrypted secret sharing app using React and NodeJS. Implemented data encryption/decryption, cron jobs for link expiry, and burn-after-read functionality for one-time secret sharing.

[Redditlite](#) (2025)

Developed a minimal, high-performance Reddit client focused on speed and UX. Implemented predictive prefetching, API response caching, and performance-first UI using Next.js and modern web optimizations.