

# Harshil Moradia

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Senior Software Engineer with 9 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

### Bank of America | Chicago, IL

#### **Senior Software Engineer - Fullstack | July 2025 - Present**

- Building scalable, high-quality features for Bank of America's internal application. The work includes leading feature development, shaping frontend architecture, and improving performance and usability.
- Involved in collaborating with design and product, modernizing legacy areas, and strengthening engineering practices.
- Used GitHub Copilot to generate tests and features, cutting development time for new features by ~20% while maintaining coverage.
- Code reviews, coaching mid/junior engineers, and maintaining documentation and internal libraries.

### Adhoc | Remote

#### **Senior Software Engineer - Fullstack (public trust clearance) | Aug 2021 - June 2025**

- 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 | Dec 2016 - 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](#) (2025)

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.