

Indra Pal

Frontend Architect | Angular | React | Micro Frontends

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SUMMARY

Accomplished Frontend Architect with 11 years of software development experience, including 4 years of technical leadership. Proven expertise in crafting scalable, high-performance UI architectures using Angular, React, TypeScript, and Micro Frontend principles. Adept at state management (NgRx, Redux), performance optimization, and Agile practices. Skilled in aligning technical strategies with business objectives, mentoring teams, and driving innovation to deliver user-centric applications. Successfully optimized CI/CD pipelines, achieving measurable results and consistent on-time project delivery.

KEY ACHIEVEMENTS

- Architected a scalable UI framework that improved application efficiency by 48% while reducing rework and maintenance efforts.
- Optimized CI/CD pipelines by integrating automation and containerization, reducing build and deployment time by 40% while improving deployment reliability.
- Mentored and upskilled a 20-member development team, fostering best practices that enhanced productivity by 25%.
- Spearheaded Agile adoption, optimizing sprint planning and backlog management, reducing delivery times by 20%.
- Led TDD adoption, increasing test coverage to 95%, ensuring robust, high-quality releases.

TECHNICAL SKILLS

Frontend Development:	Angular React TypeScript JavaScript Vue.js Micro Frontend Architecture
Backend Development:	Java Node.js RESTful APIs JSON MySQL Microservices
State Management:	NgRx Redux RxJS
UI/UX Tools:	HTML5 CSS3 Tailwind CSS Material UI PrimeNG Sass Bootstrap Figma AMP Ant Design jQuery AEM Google Analytics
Cloud & Deployment:	Docker Kubernetes AWS Azure CI/CD Pipelines Jenkins
Methodologies:	Agile Scrum Test-Driven Development (TDD) Unit Testing
Tools & Platforms:	Git Angular CLI Bitbucket Jira Dynatrace Lighthouse Bundle Analyzer Karma/Jasmine GTM Webpack Gulp GitHub Copilot Adobe Analytics

PROFESSIONAL EXPERIENCE

Frontend Architect & Tech Lead

📅 08/2018 - Present 📍 Bangalore, India

[Digit Insurance](#)

Responsibilities:

- Architected and led the development of scalable frontend modules, reducing development time by 30% through modular, reusable components.
- Collaborated with cross-functional teams (PMs, designers, and QA) to define scope, align features with business needs, and improve user experience.
- Spearheaded Agile product development, integrating best practices in CI/CD, automated testing, and modular architecture, improving deployment efficiency by 40%.
- Led mentorship initiatives, coaching junior developers on software design patterns, state management, and performance optimization, enhancing team productivity by 25%.

Frontend Developer

📅 07/2015 - 07/2018 📍 Bhopal, India

Amraj Digital Media

Responsibilities:

- Built and optimized reusable Angular components for enterprise applications, improving UI maintainability and scalability.
- Partnered with UX/UI teams to translate design mockups into interactive interfaces, enhancing user experience and accessibility.
- Led API integration efforts, collaborating with backend engineers to enhance data retrieval efficiency and optimize system performance.
- Contributed to architectural decisions and technical discussions, collaborating with cross-functional teams to drive product innovation and improvement.

Web Developer

📅 01/2014 - 03/2015 📍 Bhopal, India

Rightful Group Pvt. Ltd.

Responsibilities:

- Based on wireframes and design created HTML templates for Desktop and Mobile site and integrated websites with Facebook, Twitter and YouTube.
- Create specialty-landing pages for selling eBooks, lead generation, webinar and corporation affiliate survey designs and survey invite.

PROJECTS

Modernization of Legacy System to Angular, AEM, and Java

Tech Stacks: Angular | TypeScript | JavaScript | AEM 6.5 | Java | MySQL | RESTful APIs | JSON | RxJS | Tailwind CSS | Sass | AMP | Material UI | PrimeNG

Role: Tech Lead & Frontend Developer

- Led the migration of a legacy jQuery-based application to Angular and Java, improving maintainability and application performance by 40%.
- Integrated dynamic AEM UI components, enabling seamless content updates and empowering business users with a more flexible CMS experience.
- Standardized UI development with modular SCSS and reusable TypeScript components, reducing frontend maintenance efforts by 30%.

Micro Frontend Framework for Enterprise Applications

Tech Stacks: Angular v7, v13, v15, v18 | TypeScript | JavaScript | AMP | Micro Frontend Architecture | Webpack | AEM 6.5 | RxJS

Role: Frontend Architect & Tech Lead

- Designed and implemented a scalable Micro Frontend Architecture, enabling independent development and deployment of micro-apps.
- Collaborated with backend and DevOps teams to integrate Webpack Module Federation, reducing dependencies and improving deployment efficiency.
- Led AEM integration efforts, unifying multiple Angular versions and streamlining modernization, reducing maintenance overhead by 25%.

Standardized UI Library for Scalable Applications

Tech Stacks: Angular 18 | TypeScript | Tailwind CSS | PrimeNG | JSON Design Tokens | SCSS

Role: Frontend Architect

- Developed a UI component library to standardize design across applications, improving consistency and development efficiency.
- Integrated JSON-based design tokens to drive theming and styling, enabling seamless brand updates and customization.
- Implemented dynamic validation logic and API-driven metadata support for form fields, enhancing usability and test automation capabilities.

Dynamic Form Framework with Multi-Step Support and Rules Engine

Tech Stacks: Angular v18 | TypeScript | JSON Schema | NgRx | RxJS | SCSS

Role: Frontend Architect

- Developed a JSON-driven dynamic form renderer with modular validation and custom component support, reducing form development time by 50%.
- Engineered a multi-step form workflow with dynamic rule-based dependencies, enhancing UX flexibility and reducing form abandonment rates by 25%.
- Collaborated with backend teams to integrate validation logic, streamlining the user experience and improving data integrity.

Real-Time Monitoring and Dashboard Development

Tech Stacks: React | TypeScript | Redux | Node.js | REST APIs

Role: Tech Lead & Frontend Developer

- Led the development of a real-time monitoring dashboard to visualize live data streams.
- Built dynamic, responsive components using React and TypeScript.
- Improved data accuracy and responsiveness, reducing client decision-making time by 25%.

Dynamic Page Builder for Enterprise Applications

Tech Stacks: React | Next.js | TypeScript | Redux Toolkit | Tailwind CSS | Drag & Drop API | JSON Schema | Webpack | Jest

Role: Frontend Architect & Tech Lead

- Designed and developed a scalable, drag-and-drop Page Builder with JSON-driven configuration, enabling users to create, customize, and persist pages dynamically.
- Optimized performance with virtualized rendering, lazy loading, and modular architecture, improving efficiency by 30% and supporting custom components (charts, media, forms).
- Led state management & testing by integrating Redux Toolkit for efficient data flow and enforcing quality with Jest, React Testing Library, and CI/CD pipelines.

EDUCATION

Bachelor of Engineering (BE)

Rajiv Gandhi Proudyogiki Vishwavidyalaya

📅 06/2008 - 06/2012 📍 Bhopal, India