

Yuvraj Singh

Front-End Engineering Leader | React Architect | Technical Lead

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Front-End Engineering Leader with **14+ years of experience** in software development and **7+ years specializing in React.js**, delivering scalable, high-performance web applications across enterprise and public-sector projects.

Proven expertise in **designing and enforcing React.js architecture, building reusable component libraries, and optimizing UI performance**. Adept at **leading cross-functional teams, mentoring engineers, resolving complex technical challenges, and driving process improvements**. Strong track record of **translating business requirements into technical solutions**, improving code quality, and delivering projects on time. Passionate about emerging technologies, modern frontend practices, and fostering a culture of innovation and technical excellence.

Work Experience

Senior Technical Lead Jun 2022 – Aug 2025
HCLTech | Singapore (Public Sector – Singapore Government Projects)

- Led a **7-member cross-functional engineering team** to deliver mission-critical web applications for Singapore government agency.
- **Defined and enforced React.js architecture standards**, increasing component reusability by **40%**, reducing defect leakage by **30%**, and lowering front-end maintenance effort by **20%** across releases.
- Drove modernization using **React.js, TypeScript, and modular component libraries**, improving performance consistency and reducing UI defects across platforms.
- Adopted **TDD and automated testing**, achieving **80% front-end test coverage** using Jest and React Testing Library and improving release stability.
- Collaborated with product owners and stakeholders to translate complex requirements into phased delivery plans and technical implementation roadmaps.
- Mentored engineers through 1:1s, code reviews, and capability uplift, strengthening ownership, code quality, and delivery consistency.
- Built reusable UI components and shared patterns, accelerating feature delivery and standardizing experience across multi-project environments.

Project Lead Jun 2019 - May 2022
Wipro Limited | Hyderabad (Uber Rosetta – Internationalization & Globalization Platform)

- Led front-end engineering for large-scale internationalization initiatives as part of Uber Rosetta, enabling UI localization across 60+ locales and 100+ languages.
- Implemented React.js and Fusion.js architecture patterns to support region-specific content delivery and scalable multi-market rollout.
- Reduced UI load times by 25% through performance optimization, code splitting, and caching strategies, improving global user experience consistency.
- Assisted Uber GSS with interviews and onboarding, and managed resource allocation within assigned projects, coordinating developer responsibilities and capacity across parallel workstreams.
- Supported resolution of technical blockers and dependency conflicts, facilitating smooth project progress and cross-team alignment.
- Championed Agile delivery—led sprint planning, backlog prioritization, and stakeholder demos, ensuring releases aligned with business and localization timelines.
- Partnered with backend and platform teams to design resilient integrations supporting millions of daily transactions with zero major production incidents.
- Enabled multi-market launches with zero post-release critical defects, improving release confidence and reducing stabilization time.

Specialist

Sep 2014 - Jun 2019

Verizon India / Hyderabad

- Contributed to Verizon e-commerce platform development, supporting core modules including Search and Customer Plan Change, ensuring seamless user experiences.
- Participated in high-profile iPhone and Samsung “iconic launches”, delivering responsive, high performance front-end features under tight deadlines.
- Collaborated with backend developers to integrate new functionality, optimize workflows, and improve overall site performance.
- Partnered with stakeholders and UX/UI designers throughout the project lifecycle—from concept to deployment—to deliver functional and visually appealing web pages.
- Implemented SEO best practices in front-end code, improving search engine rankings and discoverability for key product pages.
- Maintained cross-browser and cross-device compatibility, ensuring consistent performance on mobile and desktop platforms.

Senior Programmer Jun 2011 - Sep 2014 *Accenture Pvt Ltd / Hyderabad*

- Developed user-friendly web applications to improve efficiency and enhance end-user experience across multiple client projects.
- Successfully migrated legacy systems to modern platforms, maintaining full compatibility with existing workflows and minimizing business disruption.
- Delivered front-end solutions using HTML, CSS, JavaScript, and jQuery, ensuring responsive and cross browser functionality.
- Worked on product websites for P&G brands including Head & Shoulders, Gucci Flora, and Naomi Campbell, supporting multi-locale deployments including China.
- Contributed to Adobe AEM projects for National Bank of Canada and Florida Power & Light, developing scalable, content-managed web solutions for enterprise clients.

Core Technologies

Frontend & Frameworks: React.js, Fusion.js, Redux, Redux Toolkit, TypeScript, HTML5, CSS3, SASS, Styled Components, Bootstrap, Ant Design, Material UI, jQuery

JavaScript & Tooling: JavaScript (ES6+), Webpack, Node.js (hands-on), Jest, React Testing Library

Version Control & CI/CD: Git, Jenkins

Performance & Testing: LoadRunner, TDD, Automated Testing (80% coverage)

Frontend Architecture & Design: Component Libraries, Modular & Scalable UI Development, Front-End Architecture

Team & Project Management Skills

- Agile/Scrum practices, Sprint Planning, Backlog Prioritization
- Resource coordination and onboarding
- Stakeholder collaboration and reporting
- Mentoring and team development

Certification

Project Management Professional (PMP®), PMI Nov 2025

Certified ScrumMaster® (CSM®), Scrum Alliance Sep 2025

Education

Guru Nanak Dev University Jun 2008 - May 2011

Master's degree Computer Application

Osmania University

Jun 2005 - May 2008

Bachelor's degree Electronics and Computer Sci.

Awards

Extraordinaire

Mar 2021

Wipro Limited

Exemplar

Dec 2020

Wipro Limited

Spot light

May 2017

Verizon India