

Ashish Kumar Singh

Senior Full Stack Engineer

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Open to relocation within EU/UK; visa sponsorship welcomed.

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 8+ years of experience building scalable web applications using React.js, Node.js, and TypeScript. Skilled in microservices, API design, and performance optimization. Delivered 40%+ performance gains and architected micro-frontend platforms across global teams.

WORK EXPERIENCE

Senior Engineering Lead | **Persistent Systems Ltd – UnitedHealth Group** Noida, India • Oct 2023 – Present

- Architected micro-frontend platform with Module Federation, enabling independent deployments for 6+ global teams.
- Migrated AngularJS apps to React 18 + TypeScript, reducing bundle size by 35% and boosting LCP by 40%.
- Collaborated with product managers, architects, and data teams to design scalable APIs and automation workflows.
- Improved Lighthouse score from 62 to 94 through lazy loading, code-splitting, and asset optimization.
- Implemented CI/CD with GitLab + Docker, cutting release cycles from 2 weeks to 3 days.
- Mentored 5 engineers in Jest/Cypress, reducing production incidents by 30%.

Senior Software Engineer | **Combuilder Pte Ltd – DBS Bank** Singapore • Jul 2022 – Mar 2023

- Developed high-traffic SPA for credit card activation (React/Redux + Node.js APIs), serving 2M+ daily users at 99.9% uptime.
- Introduced WebSocket-powered updates, improving activation completion rate by 25%.
- Enhanced SEO and performance with Next.js SSR across APAC regions, reducing load time by 40%.
- Established automated testing pipeline (Jest + Cypress), cutting production defects by 30%.

Senior Software Engineer | **Coforge Ltd – Walmart** Noida, India • Oct 2020 – Jun 2022

- Built retail dashboards in React.js + Redux Toolkit for 500k+ daily transactions with real-time APIs.
- Migrated .NET monolith frontend to React + Vite, improving developer productivity by 50%.
- Reduced CLS by 40% via rendering and component hierarchy optimization.

Software Engineer | **Peerxp Info Technologies – Kleeto** Gurgaon, India • Jan 2019 – Oct 2020

- Developed document management SPA with React/Redux, improving search speed by 20%.
- Implemented GitLab CI/CD + Docker pipelines, reducing deployment failures by 35%.

Software Engineer | **Advance Research & Web Development (ARWD)** Delhi, India • Jan 2016 – Jan 2019

- Built onboarding/offboarding systems for KPMG & CEAT, reducing manual processing time by 40%.
- Led 9+ enterprise projects, delivering on time and within scope while mentoring junior developers.

KEY SKILLS

Languages

TypeScript · JavaScript (ES6+) · Node.js

Frontend

React 18+ · Next.js (SSR) · Redux Toolkit · Context API · Hooks · Tailwind CSS · Styled Components · Accessibility (a11y)

Backend

REST APIs · GraphQL · WebSockets · Microservices · API Design

Cloud

AWS · GCP · Kubernetes · Terraform

Tooling

Jest · Cypress · GitLab CI/CD · Docker · Vite · Webpack · Sentry · Datadog

Practices

Agile/Scrum · TDD · CI/CD Automation · UX Collaboration · Data-driven decisions

SELECTED PROJECTS

- Healthcare Analytics Platform — React + TypeScript micro-frontends deployed across 3 regions, supporting millions of users.
 - DBS Credit Card Activation — WebSocket-powered SPA (React/Redux + Node.js APIs), 65% faster activation time with SEO-optimized SSR.
 - Food Delivery Platform — Multi-region Next.js + TypeScript with micro-frontend architecture enabling modular scaling.
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EDUCATION

- **Master of Computer Application (MCA)** — Guru Gobind Singh Indraprastha University (2016)
- **Bachelor of Computer Application (BCA)** — UPRTU University (2012)

CERTIFICATES

- Advanced React & Next.js — Udemy (2024)
 - TypeScript Mastery — Udemy (2024)
 - AWS Trained — Cloud Infrastructure & Services (2023)
 - GCP Trained — Cloud Infrastructure & Services (2024)
 - Terraform Trained — Cloud Infrastructure & Services (2024)
 - Jest & Cypress Testing — Certified (2023)
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LANGUAGES

- English — Full Professional Proficiency
- Hindi — Native