

# Sukhdev Singh

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## Professional Summary

Frontend Engineer with 4+ years of professional experience building scalable, high-performance web applications using React, TypeScript, and modern JavaScript frameworks. Proven track record of leading technical initiatives, improving application performance, and collaborating with cross-functional teams to deliver exceptional user experiences. Passionate about writing clean, maintainable code and mentoring team members.

## Technical Skills

**Frontend Development:** React, TypeScript, JavaScript (5+ years), HTML, CSS

**Testing & Quality:** Jest, React Testing Library, Playwright, Unit Testing, Functional Testing (4+ years)

**Web Platform:** HTTP protocols, Web Performance Optimization, Web Security, RESTful APIs (4+ years)

**Build & Tooling:** Webpack, Babel, Docker, Kubernetes, Git, ESLint, Prettier

**Backend & Deployment:** Node.js, Express.js, CI/CD (GitHub Actions), Kubernetes-based platforms

## Professional Experience

### Senior Application Developer

Sep 2024 - Present

Thoughtworks

- Lead frontend architecture decisions, defining technology stack, configurations, and project structure for enterprise applications
- Spearheaded performance optimization initiatives, significantly improving application startup speed and user experience
- Designed and implemented CI/CD workflows using GitHub Actions, Docker, and Kubernetes for seamless deployment pipelines
- Conducted comprehensive code reviews and maintained code quality standards across the UI repository
- Collaborated with backend engineers and designers to deliver integrated, user-centric solutions
- Mentored junior developers and represented the team in cross-functional technical discussions

### Application Developer

Sep 2021 - Aug 2024

Thoughtworks

- Developed robust, scalable UI components using React, TypeScript, and Jest with 95%+ test coverage
- Led complex integration projects, including React DOM injection into legacy Hybris-based systems
- Established frontend project structure, coding standards, and CI/CD processes ensuring development efficiency
- Partnered closely with designers and backend engineers to implement pixel-perfect, performant user interfaces
- Facilitated knowledge sharing sessions and onboarded new team members on frontend best practices
- Implemented comprehensive testing strategies using Jest and React Testing Library

## STEP Intern

Jul 2019 - Sep 2021

### Thoughtworks

- Completed intensive 2.5-year training program mastering web development fundamentals and advanced concepts
- Gained hands-on experience with JavaScript, React, Java, and modern web development practices
- Contributed to production applications under senior mentorship, developing strong problem-solving skills
- Collaborated in agile teams, participating in code reviews and pair programming sessions

## Education

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### Bachelor's Degree, Computer Applications

Alagappa University | Aug 2019 - Mar 2022

### Diploma, Computer Engineering

Guru Nanak Dev Institute of Technology | Mar 2016 - Jun 2019

## Key Achievements

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- ✓ Improved application startup performance by designing a parallel data loading system that fetches data needed by multiple components concurrently and in advance
- ✓ Successfully integrated modern React applications with legacy systems without disrupting existing functionality
- ✓ Established CI/CD best practices resulting in faster deployment cycles and reduced production issues
- ✓ Led technical mentorship initiatives, improving team productivity and code quality