

# PRADEEPKUMAR R

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## Lead Frontend Engineer | React & Next.js Specialist | Cloud & DevOps

Frontend-focused engineer with 9+ years of experience architecting and delivering high-performance, scalable web applications. Specializing in the React ecosystem (React.js, Next.js, TypeScript) and advanced state management with Redux & React Query, I have a proven track record of leading frontend development while driving DevOps adoption. Expert in micro-frontend architecture, performance optimization, and deploying containerized applications using Docker, Kubernetes, and Azure DevOps CI/CD pipelines

### TECHNICAL SKILLS

Programming Languages	JavaScript, Typescript
Frontend Technologies	React, Redux, React Query, Next.js, Storybook, Jest, React Testing Library, HTML, CSS, CSS Preprocessors, Vite, Webpack
Backend Technologies	Node.js
Content Mgmt. System	Drupal
DevOps & Cloud	Microsoft Azure, Azure DevOps, Jenkins, Docker, Kubernetes, HELM,
Identity Management	Keycloak, Active Directory
Tools and Practices	SonarQube, Fortify Vulnerability Scanner, Nexus, Git, GitHub, Jira, GitLab, Agile methodologies

## PROFESSIONAL EXPERIENCE

### Mindgraph Solutions Sdn Bhd

#### Associate Solution Designer & Senior Software Engineer

September 2021 - Present  
WP. Kuala Lumpur, Malaysia

- Designed and implemented scalable Microservices Architectures and Micro-Frontend Architectures using Docker and Kubernetes, achieving 50% scalability improvement.
- Served as the Subject Matter Expert (SME) for frontend technologies in pre-sales activities, contributing to technical proposals that secured 5+ new client projects.
- Established and enforced a comprehensive governance framework covering coding standards, code reviews, release management, and Git workflow, enhancing code quality and future extendibility.
- Led the integration of security best practices by implementing SonarQube and Fortify vulnerability scans into the CI/CD pipeline, ensuring adherence to OWASP standards.
- Championed the adoption of AI agents and automation tools to streamline the software delivery lifecycle, resulting in enhanced code quality and a more efficient development process.
- Automated deployment pipelines, reducing deployment time by 30% and enhancing system reliability.
- Drove the adoption of Test-Driven Development (TDD) with Jest and React Testing Library, increasing unit test coverage to over 90% and reducing post-deployment bugs by 25%.
- Refactored the application's data-fetching layer by implementing React Query, leading to a 50% reduction in boilerplate code and a significant improvement in data synchronization and UI responsiveness.
- Mentored a team of 15+ frontend engineers, providing technical guidance, conducting code reviews, and fostering a culture of high-quality code and continuous improvement.
- Defined and documented functional requirements for complex systems, ensuring cross-functional alignment.

## **Virtusa Consulting Service Pvt Ltd**

### **Consultant - Technology**

April 2020 - July 2021

Chennai, India

- Developed modular and reusable React components with optimized state management using React-Redux.
- Conducted rigorous code reviews and collaborated with cross-functional teams to align system designs with business needs.

### **Early Career: Frontend & Web Design (2016 - 2020)**

- **Roles:** Web Developer at Capsule8 , UI/UX Designer & Web Designer at BlueAlly Infotech and Easton Media.
- Developed responsive, user-centric websites and UI components using React, Angular, HTML, CSS, and Bootstrap. Built a strong foundation in UI/UX principles and front-end development, progressing into a senior engineering path.

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## **EDUCATION**

### **Bachelor's degree in computer science engineering**

C. Abdul Hakeem College of Engineering & Technology – Tamilnadu, India

2012 – 2016