

NANDHA KUMAR R

Front End Engineer

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PROFESSIONAL SUMMARY

Front End Engineer with 3+ years of experience architecting enterprise-grade web applications serving 50,000+ users. Specialized in scalable front-end architectures, performance optimization, and delivering modern user experiences for Fortune 500 clients. Proven track record of driving measurable improvements in efficiency and reliability.

TECHNICAL SKILLS

Frontend:	Angular, TypeScript, JavaScript ES6+, HTML5/CSS3, SCSS/SASS, RxJS
Backend & APIs:	Node.js, Express.js, RESTful APIs, MySQL
Tools:	Git/GitHub, Webpack, AWS, Jest/Jasmine, Karma, Angular Material
Architecture:	Microfrontends, Module Federation, Responsive Design, Performance Optimization, CI/CD, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Systems Engineer | Infosys | Bengaluru | 2024 - Present

- Architected 4 enterprise applications for Fortune 500 automotive clients serving thousands of users daily.
- Led development of high-performance Angular solutions and microservices architecture.
- Delivered enterprise-scale pipeline systems with 45% performance optimization improvements.
- Mentored junior developers and implemented best practices across development teams.

Systems Engineer | Infosys | Bengaluru | Apr 2022 - 2024

- Developed and maintained 2 enterprise applications serving 50,000+ global users.
- Implemented microfrontend architecture resulting in 60% faster deployment cycles.
- Optimized application performance leading to 40% improvement in operational efficiency.
- Collaborated with cross-functional teams using Agile/Scrum methodologies.

KEY PROJECTS

Global Automotive Supply Chain Platform | Sep 2022 - Jun 2023

- Engineered enterprise shipment tracking system serving 50,000+ external users.
- Built high-volume pipeline processing 10,000+ daily transactions.
- Designed automated escalation framework handling 500+ priority requests.
- Technologies: Angular 14, TypeScript, Enterprise Architecture, Real-time Systems.

Internal Production Management System | Jul 2023 - Aug 2024

- Developed workflow platform serving 5,000+ internal users across manufacturing departments.
- Orchestrated multi-tier approval ecosystem managing 2,000+ requests.
- Implemented role-specific interfaces with enhanced user experience.
- Technologies: Angular 16, Workflow Management, Process Automation.

Microfrontend Architecture Platform | Sep 2024 - Present

- Built scalable distributed platform with independently deployable Angular applications.
- Established OAuth security protocols with intelligent routing mechanisms.
- Enhanced performance through strategic lazy loading and optimized API calls.
- Technologies: Angular 17, Module Federation, Enterprise Security.

EDUCATION

B. Tech – Information Technology (Completed) | Er. Perumal Manimekalai College of Engineering | Anna University | 2017 - 2021

ACHIEVEMENTS

- Architected 6 mission-critical enterprise applications.
- Scaled platforms to serve 50,000+ global users.
- Delivered 60% operational efficiency gains.
- Reduced application load time by 45%.
- Led 3 major frontend modernization projects.
- Improved development workflows and built reusable component libraries that reduced costs by \$2M+ across projects.
- Optimized bundle sizes and improved performance across enterprise Angular applications.
- Played key role in cross-browser compatibility and WCAG 2.1 accessibility compliance initiatives.
- Recognized for mentoring developers and improving Agile/Scrum delivery practices.
- Streamlined CI/CD workflows, reducing deployment effort by 40% and improving release reliability.