PRADEEPKUMAR R

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Lead Full-Stack Engineer | Node.js & React | Azure Cloud & DevOps

A Lead Full-Stack Engineer with over 9 years of experience architecting and building end-to-end, high-performance web applications. Equally proficient in developing robust, scalable backend services with Node.js and creating dynamic, responsive user interfaces with the React ecosystem. Specializes in implementing secure, full-stack solutions with expertise in identity management (Keycloak), payment processing (Stripe), and deploying containerized applications using Docker, Kubernetes, and Azure DevOps.

Technical Skills

Programing Languages	JavaScript, Typescript
Frontend Technologies	React, Redux, React Query, Next.js, Storybook, HTML, CSS, SCSS
Backend & API Development	Node.js, Express.js, RESTful APIs, Next.js API Routes, Zod, MSW, Structured Logging & Tracing
Testing	Jest, React Testing Library
Identity & Security	Keycloak, OAuth2/OIDC, JWT, RBAC, CSRF Protection, CSP Headers, Audit Logging, Secure Coding (OWASP)
Databases	MongoDB, PostgreSQL, Redis
Payment	Stripe (Checkout/Elements), Subscriptions, Invoices
Cloud & DevOps	Docker, Kubernetes (AKS), NGINX Ingress, Azure DevOps, GitHub/GitLab CI, SonarQube, Fortify, Nexus, EFK, Prometheus/Grafana
Architecture & Practice	Microservices, Domain Driven Design (DDD)

Mindgraph Solutions Sdn Bhd

Associate Solution Designer & Senior Software Engineer

September 2021 - Present
WP. Kuala Lumpur, Malaysia

- Led the architecture of full-stack microservices, resulting in a 50% improvement in system scalability and performance.
- Served as the Subject Matter Expert (SME) for frontend technologies in pre-sales activities, contributing to technical proposals that secured 5+ new client projects.
- Championed frontend excellence by driving the adoption of TDD to achieve 90% test coverage and refactoring the data-fetching layer with React Query, which cut post-deployment bugs by 25% and reduced boilerplate code by 50%
- Automated end-to-end deployment pipelines with Azure DevOps and Kubernetes, slashing deployment times by 30% and significantly improving system reliability.
- Led the integration of security best practices across the full stack by engineering a secure authentication system with Keycloak and embedding SonarQube and Fortify scans into the CI/CD pipeline.
- Built and integrated a secure payment gateway using Stripe, enabling reliable financial transactions and ensuring data compliance.
- Established and enforced a comprehensive governance framework covering coding standards, code reviews, release management, and Git workflow, enhancing code quality and future extendibility.
- Pioneered the use of AI agents to automate preliminary code reviews and intelligently generate test cases, which enhanced overall code quality, achieved more robust test coverage, and reduced the manual review and testing workload on the engineering team.
- Mentored a team of 15+ frontend engineers, providing technical guidance, conducting code reviews, and fostering a culture of high-quality code and continuous improvement.

Virtusa Consulting Service Pvt Ltd

Consultant - Technology

April 2020 - July 2021
Chennai, India

- Developed full-stack features using React and Node.js, creating modular frontend components and ensuring seamless integration with backend APIs.
- 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.
- Built responsive websites and UI components while contributing to backend API integrations, establishing a strong full-stack foundation from early in my career.

EDUCATION

Bachelor's degree in computer science engineering

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

2012 – 2016