

Mukul Verma

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SUMMARY

Full-Stack Software Engineer with over 4 years of experience in software product development, **specializing in React.js, Next.js, Node.js, Express.js, Angular.js and AWS**. Proven expertise in designing, developing and maintaining scalable applications across E-commerce, logistics, fintech and healthcare domains, supporting over **5,000** users in a single launch phase. Strong background in microservices and micro-frontends architectures, delivering responsive, scalable applications.

SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, SQL, PHP

Backend: Node.js, Express.js, NestJS, Prisma, Laravel

Frontend: React.js, Next.js, Material UI, Bootstrap, Angular.js, Vue.js

Databases & Cloud: PostgreSQL, MongoDB, Redis, AWS, Git, Docker, Kubernetes

Architecture & Systems: Event-Driven, MVC, SDLC, Agile (Scrum), TDD, Linux, microservices, micro-frontends

Tools: WebSockets, Kafka, Elasticsearch, Postman, Jest, Webpack, OAuth, JWT, Swagger, Sentry, Datadog, DevTools,

Concepts: System Design Patterns, Data Structures & Algorithms, Object-Oriented Principles, Performance Optimization

WORK EXPERIENCE

Suretek Infosoft

August 2024 – Present

Software Engineer

Noida, India

- Designed and developed independent, scalable **micro-frontend modules** using **React.js** and **Redux** for state management, integrating **Chart.js** and **shadcn/ui**, with comprehensive unit testing using **Jest**, resulting in a **40% reduction in user clicks**.
- Implemented **backend microservices** with **GraphQL**, **Express.js**, and **PostgreSQL**, improving **data accuracy by 25%**.
- Authored clear and standardized documentation and style guides, reducing support tickets related to complex workflows by 30%.
- Planned and collaborated with product managers to define SLAs and project roadmaps, resulting in seamless integration in teams.
- Implemented **CI/CD pipelines** for codebase, deployed applications to **AWS (EC2, RDS, S3)**, and contributed to **schema design**.
- Debugged large codebases in enterprise applications, resolving UI bugs through static analysis using SonarQube, improving state management, integrating Datadog, and optimizing existing systems to improve **responsiveness, performance, and error tracking**.

Techtonic Enterprises

March 2022 – July 2024

Software Developer

Kaushambi, India

- Led development of Zeeway's partner analytics module using **Nest.js** services and **Angular.js** workflows, reducing API latency by **35%**. Improved backend performance through advanced database **query optimization**. Integrated real-time WebSocket and **Kafka** events and leveraged **Next.js rendering patterns** across dashboards, enhancing system responsiveness for over **5,000** users.
- Implemented secure authentication flows with OAuth 2.0 and **MongoDB**, and optimized **Redis** to improve data access by 40%.
- Directed a team of 3 to integrate and consume **RESTful APIs**, ensuring frontend-backend data flow, and developed interactive **Web Components** using **Next.js**, integrating **Three.js** for 3D UI with lazy loading to enhance user engagement, performance, and SEO.
- Improved LCP by **40%** by optimizing assets like images, fonts and Caching strategies, enhancing UI/UX and **Core Web Vitals**.

Infovue Inc

November 2021 – February 2022

Software Developer

Kolkata, India

- Upgraded responsive and mobile-friendly components for CRM and CMS platforms using **React.js**, implementing **code splitting**, **lazy loading**, and **caching** strategies with server-side RESTful APIs, improving overall development efficiency by 30%.
- Enhanced **accessibility** scores by 25% by implementing **WCAG** compliant (a11y) UX standards using ARIA roles, cross-browser compatibility, **DOM manipulation** and keyboard navigation.

PROJECTS

- Automated Cybersecurity Testing Tool** : Launched an enterprise SaaS tool using Express.js, React.js, OpenAPI and AWS S3, automating test management and reporting. Streamlined vulnerability assessments, achieving a 60% reduction in review time.

CERTIFICATIONS & ACHIEVEMENTS

- Earned the Oracle Certified AI Foundations Associate credential in RAG, Python, LLMs and applied AI.
- Conducted system-architecture reviews, documented decisions, and communicated changes, improving PR approval time by 40%.

EDUCATION

Kurukshetra University

Master of Computer Applications (MCA)

January 2021 – February 2023

Kurukshetra, Haryana, India