

Professional Summary

Experienced and results-oriented Senior Software Engineer with 8 years of expertise in designing and delivering scalable, high-performance systems within the automotive, e-commerce, healthcare, and education sectors. Skilled in full-stack development using Node.js and React, with a strong focus on microservices architecture, REST APIs, containerization (Docker, Kubernetes), and CI/CD practices. Adept at working in Agile environments, mentoring teams, and delivering clean, maintainable code that drives technical excellence and supports business objectives.

Technical Skills

- **Programming Languages:**
 - Proficient: JavaScript, TypeScript, HTML, CSS
 - Intermediate: Java
- **Frameworks & Tools:** Node.js, React.js, Next.js, Docker
- **Testing Tool:** Jest, Mocha, JUnit
- **Databases & Storage:** MongoDB, MySQL, Redis
- **Cloud & Messaging:** Kafka, RabbitMQ
- **CI/CD:** Github Action
- **UI/UX Tools:** Figma
- **System Design:**
 - **Low-Level Design:** SOLID Principles, Design Patterns, Object-Oriented Programming (OOP), Data Structures, and Algorithms
 - **High-Level Design:** Availability (Replication), Scalability (Partition), Consistency, Resiliency (Maintainability), Fault Tolerance

Professional Experience

- **Senior Software Engineer,**
Mercedes-Benz Research & Development India, Bangalore. *Apr 2022 – Present*
 - **Led a team of 4 engineers**, fostering a culture of innovation and delivering high-quality, scalable features ahead of deadlines.
 - Took full **ownership of two critical microservices** powering **internal automotive data workflows** used by multiple engineering teams across Europe. Responsibilities include end-to-end development, feature expansion, performance optimization, and system maintenance.
 - **Architected and developed** a microservice from scratch to manage the **car technical data approval** process, ensuring compliance, traceability, and seamless integration with distributed systems.
 - Refactored a complex API dependent on multiple downstream services, **reducing response time by 40%** through improved orchestration and optimized data flow.
 - Enhanced system stability by **fixing critical bugs** and implementing proactive monitoring, leading to a **50% reduction in L2 incidents** and improved team velocity.
 - **Improved scalability and performance by 35%** using intelligent caching (Redis) and optimized database access patterns.
 - Collaborated with product, **QA**, and **DevOps** teams to **streamline CI/CD** using **GitHub Actions** and Docker-based deployments.
- **Software Engineer,**
NewAge Products Inc *Nov 2019 - Apr 2022*

- Led the revamp of the company's official website by migrating from a WordPress-based architecture to a modern, performant Next.js (React.js) frontend, significantly improving user experience, SEO, and page load performance.
 - Initiated, planned, and delivered the migration project end-to-end, leveraging React.js for component-driven architecture and Next.js for server-side rendering (SSR) and routing.
 - Designed and developed a custom "Build Your Own (BYO)" feature that enabled users to visually configure home décor and furniture sets with real-time cost estimation. Utilized React.js drag-and-drop libraries, and integrated backend APIs for dynamic pricing, availability checks, and custom configuration logic, resulting in increased user engagement and conversion rates.
- **Freelance Web Developer & Designer**
Self-Employed / Remote Oct 2016 - Oct 2019
 - Delivered end-to-end web solutions for multiple small and mid-sized businesses across e-commerce, portfolio, and service-based domains.
 - Built responsive websites using WordPress, React.js, and Vue.js, ensuring cross-browser compatibility, performance optimization, and mobile-first design.
 - Developed interactive web apps with Firebase backend and Node.js for dynamic content management and user authentication workflows.
 - Designed custom UI/UX layouts using Adobe Photoshop and Illustrator, aligning with brand identity and client vision.

Projects

- **AI-based Car Information Assistant,**
Side Project in Mercedes Benz / 2024
Tech Stack: OpenAI GPT API, Node.js, React.js, JavaScript, HTML/CSS, Natural Language Processing (NLP)
 - Developed an AI assistant using OpenAI's GPT (Large Language Model) to interpret natural language queries and extract relevant insights from complex car technical data.
 - Built a custom data ingestion and transformation pipeline to structure and prepare automotive specifications for efficient query handling.
 - Designed the solution to answer questions like "What are the features of Model Y?" or "Which cars have cruise control?", providing a conversational alternative to technical manuals.

Education

Bachelor of Technology (B.Tech), Science and Engineering

- *Cochin University of Science and Technology*
- 2012 – 2016

Achievements

- **Led a team of 4 engineers**, consistently delivering mission-critical projects ahead of schedule while promoting a culture of quality and ownership.
- **Earned multiple quarterly Recognition & Rewards** at Mercedes-Benz for building high-quality, scalable solutions that directly impacted business performance.
- **Conducted internal training sessions** on time management, mindfulness, and work-life balance, resulting in improved team engagement and productivity.

Languages

- **English:** Full Professional Proficiency
- **Hindi:** Native / Bilingual Proficiency
- **German** – Beginner (A1)