DINESH KASA

Software Engineer

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SUMMARY

Software Engineer with experience in building **scalable, high-performance web applications** using **React.js, Node.js, and JavaScript (ES6+).** Strong expertise in **modern front-end architecture**, **full-stack development,** and **API-driven systems**. Proficient in **Data Structures and Algorithms (DSA)**, applying efficient algorithms, **optimized data structures, and performance-oriented logic** to solve complex engineering problems. Experienced in delivering domain-agnostic web applications, including data-intensive and visualization-heavy platforms, with a proven track record of **performance optimization, reusable component design, and Agile development**.

EXPERIENCE

Software Engineer / Systems Engineer

Infosys Ltd | Apr 2022 – Present

- Designed and developed **scalable web applications** using **React.js and Node.js**, focusing on modular architecture and maintainability.
- Built reusable UI components and shared utilities to improve development efficiency across teams.
- Integrated frontend applications with **RESTful backend services**, ensuring efficient and secure data exchange.
- Optimized application performance using **lazy loading, code splitting, and efficient rendering strategies**, achieving up to **40% improvement in load time**.
- Worked extensively with **MongoDB**, designing schemas and applying indexing techniques to support scalable data storage and retrieval.
- Collaborated in **Agile/Scrum teams**, participating in daily stand-ups, sprint planning, retrospectives, and code reviews.
- Debugged production issues, resolved UI and API defects, and continuously improved code quality and stability.

SKILLS

Programming Languages: Java, JavaScript (ES6+), HTML5, CSS3
Frameworks / Libraries / Databases: React.js, Node.js, Redux, MongoDB, SQL
Tools & IDEs: Git, GitHub, Visual Studio Code, Postman

EDUCATION

Bachelor of Technology (B. Tech)
Gayatri Vidya Parishad College of Engineering, Visakhapatnam — **2021**
CGPA: **8.2**

PROJECTS

Enterprise Web Application Modernization (Waste Management)

Tech: React.js, JavaScript (ES6+), Material UI, ArcGIS JS API
- Migrated a legacy enterprise application to a **modern React-based architecture**.
- Built **interactive, data-driven UI workflows** and visualization features.
- Improved performance by **~40%** through optimized rendering and lazy loading techniques.
- Developed reusable client-side utilities for **API integration and data processing**.

Full Stack Web Platform

Tech: React.js, Node.js, MongoDB, REST APIs

- Designed and developed **high-performance RESTful APIs** using Node.js, supporting **500+ requests per second**.
- Architected and optimized **MongoDB schemas** with indexing for efficient querying.
- Integrated backend services with React-based frontend applications.
- Translated **Figma designs** into responsive, production-ready UI components.
- Delivered user stories from JIRA while adhering to coding standards and maintainability best practices.

PERSONAL PROJECTS

- **Myntra Clone:** Built a full-stack e-commerce application using the **MERN stack**.
- **Quick Chat:** Developed a real-time chat application using **Node.js and Socket.IO**.
- **Portfolio Website:** React-based personal portfolio hosted on GitHub Pages.

CERTIFICATIONS

- Infosys Certified React Professional
- Microsoft Azure Fundamentals (AZ-900)
- GitHub Copilot (GH-300)