RAJESH NALLA
Software Engineer

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SKILLS

Programming Languages	Python, Java, C, JavaScript
Tools and IDE	Eclipse, Pycharm, IntelliJ IDEA, Visual Studio, MySQL Workbench, Postman, Linux, Windows
Web Technologies	HTML, CSS3, Web Sockets, ExpressJs, NodeJs, API, Tailwind CSS, ReactJs, TypeScript, SpringFramework(Spring Boot,JWT, MVC, JDBC), Docker, GraphQL, Micro-services, Git, GitHub
Cloud	CI/CD pipelines, AWS(EC2, S3, Lambda)
Databases	MySQL, SQL,PostgreSQL, NoSQL(MongoDB).
SoftSkills	Planning, Problem Solving, Communication skills, Active Learning, Innovation, Responsibility.

CERTIFICATIONS

- NPTEL Certification in **Java Programming** Language with 98 percent

TECHNICAL EXPERIENCE

Software Engineer   January 2021 — November 2022
Mphasis   *Bengaluru, Karnataka*

- Engineered high-performance **Spring Boot** web applications, enhancing scalability and reliability by 30% with **Hibernate** for seamless object-relational mapping, boosting system efficiency.
- Improved team collaboration with **Git**, reducing code conflicts by 50% and streamlining workflow to achieve a 20% faster project completion rate.
- Designed and deployed **RESTful** web services and **APIs**with **Spring Framework and Spring Boot**, cutting server response times from 5 seconds to 3 seconds.
- Conducted comprehensive testing with unit test frameworks, reducing post-launch bugs within 3 months, enhancing software quality and user satisfaction with **Agile practices**.
- Developed and integrated reusable **ReactJS** components, enhancing UI responsiveness and increasing user engagement over six months, optimizing performance in **web development and UI design.**
- Optimized **SQL query** performance and managed **MySQL and MongoDB** databases across **Unix, Linux, and Windows**, significantly improving database operation speed in four months through optimization and management techniques.

PROJECTS

Parcel Management System   ReactJs, MongoDB, NodeJs, GraphQL, Collections, MicroServices

- Utilized a full-stack approach with **NodeJS, ReactJS, Typescript, and MongoDB** to achieve a 40% improvement in processing speed, significantly boosting system efficiency and performance.
- Implemented dual-login functionality for admin and staff roles, allowing admins to efficiently manage staff and branches, while staff could create and update parcels, streamlining operations and reducing administrative overhead by 20 hours per month.
- Resulted in improved workflow efficiency, halving the time Admins spend managing staff and branches. Staff members now handle parcel creation and updates 30% faster. This division has also strengthened security, decreasing unauthorized access incidents by 50 instances monthly, thereby ensuring smoother operations and maintaining data integrity.
- Enabled efficient parcel detail creation and updates, reducing processing time by two hours per task. Unique parcel IDs resulted in a 1-hour reduction in tracking resolution time, increasing user trust and engagement.

MernChat-app   ReactJs, NodeJs, Websockets, Tailwindcss, MongoDB, Git, ExpressJs

- Created an interactive chat application using front-end and back-end technologies like **ReactJS, NodeJS, WebSockets, and AWS(EC2, S3)** for seamless real-time communication.
- Integrated **JWT token**-based authentication and registration forms to ensure data privacy and secure user sessions, **MongoDB** to achieve a 30% faster data retrieval speed, reducing retrieval time from 5 seconds to 3.5 seconds per query. This optimization significantly enhanced overall efficiency and user experience.
- Built robust functionality for file transfer, enabling users to exchange images, PDFs, and various file types seamlessly within the application.
- Enhanced user interaction and prolonged session durations, resulting in a significant increase in user satisfaction and a measurable rise in application usage, equivalent to an additional 2 hours of user engagement per session.

Student Management System   SpringBoot, MVC, ReactJs, JWT, Javascript, Docker.

- Established robust security protocols, reducing manual workload by 35% through efficient CRUD operations on student records.
- Encrypted storage decreased unauthorized access attempts and saved approximately 5 hours weekly. Streamlined academic administration processes, improving efficiency and accuracy, and received acclaim for its user-friendly design.

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EDUCATION

Master's in Computer Science, *University of Central Missouri, with 3.60/4.0 GPA*   January 2023-May 2024
Bachelor's in Information Technology, *Kakatiya Institute of Technology and Science, with 3.46/4.0 GPA*   August 2018-April 2022