R. Rakesh Kumar Developer

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Professional Summary

Results-driven Full-Stack Developer with over 2 years of experience in building scalable web applications, mentoring aspiring developers, and implementing modern DevOps practices. Proficient in Java, Python, C++, C, PHP, React, and Node.js, with hands-on expertise in Docker, Kubernetes, and AWS. Adept at developing robust backend systems, streamlining CI/CD pipelines, and delivering high-quality, maintainable software solutions. Passionate about solving complex problems, enhancing development workflows, and staying updated with emerging technologies.

Technical Skills

- Programming Languages: Java, Python, C++, C, PHP

- Frontend: React, HTML5, CSS3, JavaScript, Bootstrap

- Backend: Node.js, Express.js, RESTful APIs, Spring Boot

- Databases: MongoDB, MySQL, SQL

- DevOps Tools: Docker, Kubernetes, Jenkins, AWS, Git, GitHub Actions

- Testing: Postman, Selenium, Jest, Mocha

- Other: Agile Development, Data Structures, Algorithms, Linux, Bash Scripting

Work Experience

Software Engineer Intern
Bharathi Soft Technologies Pvt Ltd | Hyderabad, India |Mar 2022 – Feb 2023

- Developed a Blockchain-based Decentralized Voting System using Ethereum, Solidity, Web3.js, and React.js, ensuring secure and transparent voting processes.

- Built and maintained responsive web interfaces using React and Redux, improving user engagement by 25%.

- Collaborated with backend teams to integrate APIs and optimize application performance, reducing load times by 30%.

Technical Teacher (Freelance)
Pramanicus Academy | Remote | Apr 2023 – Present

- Mentored students in Java, Python, MERN Stack, and API development, enabling them to build real-world projects.

- Designed and delivered a structured curriculum on full-stack development, RESTful APIs, Programming languages and software engineering principles.

- Led students in developing key projects, including an Online Learning Platform (MERN Stack) and an E-Commerce Website (Java Spring Boot & React).

Projects

E-Commerce Application

- Developed a full-stack e-commerce platform using React, Node.js, MongoDB, Redux, Stripe, and JWT.

- Designed a responsive UI with Styled Components, ensuring seamless user experiences across devices.

Banking Application (Java)

- Built a console-based banking application with user authentication, role-based access, and core banking functionalities.

- Organized code into modular components for scalability and maintainability.

DevOps CI/CD Pipeline

- Implemented a CI/CD pipeline using Jenkins, Docker, and Kubernetes to automate deployment processes, reducing deployment time by 40%.

- Configured AWS EC2 instances and managed cloud infrastructure for scalable application hosting.

Airline Delay Prediction

- Created a machine learning model using PySpark to predict flight delays, improving accuracy by 20%.

Stock Price Prediction

- Developed a stock price prediction model using Scala and machine learning libraries, performing data ingestion, feature engineering, and prediction.

Education

Bachelor of Computer Science and Engineering
Chennai Institute of Technology, Chennai, Tamil Nadu | CGPA: 8.41

Intermediate (12th)
Narayana Junior College, Telangana | CGPA: 9.60

Secondary School (10th)
Sri Vidhya Secondary School, Telangana | CGPA: 9.60

Achievements & Contributions

- Organized and led a Networking Workshop during the college symposium.

- Conducted a college-level coding competition, "H@cit" , in 2022, providing a platform for students to showcase their programming skills.

- Designed an industry-ready curriculum for software development, focusing on practical, project-based learning.

Position of Responsibility

- Mentored 100+ students in full-stack development and API integration, helping them secure internships and jobs.

- Led a team of 5 developers to deliver a Blockchain-based Voting System within tight deadlines.

- Lead my group in my final year project in BTech named "three-layer data protection using cloud segregation" .