Babji Jada

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EDUCATION

CVR College of Engineering   Hyderabad, India
Bachelor of Technology in Computer Science   *Nov. 2021 – May 2025*

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, Kotlin, R
Web Technologies: React, Node.js, Next.js, HTML, CSS, PHP, WordPress, Postman
Backend and Database: Spring Boot, Flask, MySQL, PostgreSQL, AWS(EC2 and S3)
Tools and APIs: GitHub API, Alpha Vantage API, NLP, Docker, REST APIs

PROJECTS

Railway Management System
Html, CSS, PHP, MySQL

- Developed a full-stack web application for railway management, facilitating ticket booking, scheduling, and passenger management with an intuitive user interface.
- Optimized MySQL queries and indexing, reducing database response time by 50% and improving system performance under heavy loads.
- Implemented secure payment integration, processing 5000+ in transactions with zero reported security breaches.
- Conducted comprehensive testing to ensure seamless operation across different devices, reducing reported issues by 40% post-deployment.

Automated Code Reviewer & PR Analysis Tool
React, Next.js, GitHub API, Python-NLP

- Designed and developed an automated pull request (PR) analysis tool that scans and reviews PRs for potential issues, reducing manual review time by 40%.
- Integrated GitHub API for real-time PR analysis and NLP-based rule detection, boosting code quality and increasing PR approval rates by 25%.
- Developed a customizable scoring system that ranks PRs based on best coding practices, helping teams prioritize high-risk changes.

High-Performance URL Shortener
Java (Spring Boot), PostgreSQL, Redis, Docker

- Built a scalable URL shortener service using Java (Spring Boot), capable of handling millions of concurrent requests per second, ensuring high availability and reliability under heavy traffic.
- IReduced average response time by 70% by implementing Redis caching, achieving consistent sub-5 ms lookups, even under high traffic conditions.
- Designed and optimized PostgreSQL schema to store 100,000+ click analytics, enabling real-time insights into user behavior and traffic patterns while maintaining data integrity and fast read/write operations.
- Containerized the application using Docker, leading to a 40% reduction in deployment time and ensuring consistent builds across environments.

VOLUNTEERING & LEADERSHIP EXPERIENCE

- **Anti-Drug Committee Member:** Advocated drug awareness campaigns within college.
- **Street Cause CVR (Education Lead):** Led initiatives to provide essential resources and educational support to underprivileged communities.
- **Class Representative (4 Years):** Acted as a liaison between faculty and students, fostering communication and ensuring effective class management.

CERTIFICATIONS

- AWS Academy Cloud Foundations (AWS, 2025)
- AWS Academy Cloud Architecting (AWS, 2024)
- Statistics Using Python (2022 - 2023)