**Vishnu Rohith Pokala**

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**Professional Experience**

Full Stack Developer with 2.8 years’ experience building scalable web applications. Skilled in backend (Java, Spring Boot) and frontend (React, JavaScript), API design, database optimization, and deployment of secure, high-performing services. Adept in Agile environments, collaborating with cross-functional teams, troubleshooting complex issues, and integrating third-party APIs. Passionate about building reliable, maintainable, and scalable backend systems.

**Technical Skills**

* **Programming Languages:** Java, JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL
* **Frameworks & Libraries:** Spring Boot, React, Redux, Express.js, Node.js, MongoDB, Material-UI (MUI), Tailwind CSS
* **Architecture & Concepts:** Microservices, Micro-frontend, REST APIs, API Security, LLM Integration.
* **Tools & Platforms:** Kafka, Git, Postman, Docker, Jenkins, AWS (ECS, EC2, S3, RDS, CloudWatch), Figma.

**Experience**

Keka HR | Associate Software Engineer – Hyderabad, India  **Aug ‘23 - Present**

* Built and deployed a 0-to-1 US payroll product with backend services in Java/Spring Boot (OOP principles) and frontend in React/TypeScript; implemented microservices & micro-frontend architectures for modular deployments.
* Designed database schemas, wrote optimized SQL queries, and developed secure REST APIs with authentication, validations, and frontend integration.
* Integrated Kafka for async communication and created Node.js utility modules for routing, configuration, and automation tasks.
* Improved system performance by reducing load times 35% through lazy loading and backend query optimizations.
* Implemented unit/integration testing (JUnit, Jest, Mocha) with mocking and assertions; conducted peer code reviews to ensure scalability, performance, and coding standards.
* Collaborated in Agile teams, reviewed Figma designs, and worked closely with PMs & QA; leveraged AI-powered development tools for faster coding and debugging.
* Deployed backend services on AWS ECS/EC2 using Docker, configured S3 for static assets and CloudWatch for log monitoring.
* Developed and integrated an LLM-powered chatbot to assist employees with payroll-related queries (payslips, tax filings), enhancing self-service support.

Keka HR | Intern - Hyderabad, India **Jan ‘23 – Jul ‘23**

* Assisted in developing React-based frontend modules for internal tools and dashboards.
* Helped design and implement responsive layouts using TypeScript, HTML, and CSS for mobile-friendly pages.
* Worked on API integration tasks by connecting frontend components to backend services and handling basic validations.
* Supported backend development with small updates in Java and Spring Boot services (e.g., modifying API endpoints).
* Participated in UI/UX brainstorming sessions, contributed ideas during feature discussions, and maintained design consistency.
* Assisted in debugging and testing both frontend and backend features, documented findings, and applied minor fixes.

**Projects**

**Audio Book Web App 2023**

* Independently designed and developed a full-stack audiobook web application using the MERN stack.
* Built responsive React UI, Node/Express backend APIs, and MongoDB database; implemented audio streaming (play/pause/next/prev) and real-time playback updates.
* Deployed the app on AWS (EC2 for backend, S3 for audio files); configured CloudWatch for performance logs and automated builds with simple CI/CD scripts.

**Authentication by Negative Encrypted Password 2023**

* Worked as part of a team to build a secure authentication system using ENP, combining SHA-256 hashing and AES encryption.
* Contributed to backend logic in Java and secure credential storage design, ensuring scalability and minimal integration overhead.
* Documented the authentication workflow and presented security analysis demonstrating resistance against brute-force and precomputation attacks.

**Tourism Website for Local Places (ADVENTOUR) 2022**

* Collaborated with a team to develop a responsive tourism platform showcasing hidden destinations.
* Implemented database connections and integrated a chatbot for user assistance; supported features like bookings and transport suggestions.
* Optimized SQL queries and implemented modular architecture to improve performance and maintainability of backend services.

**Education**

Information Technology | MLR Institute of Technology (Aug ‘19 – May ’23) *GPA: 8.7 / 10*

**Certificates**

* Certified in AWS Certified Solutions Architect – Associate
* Certification for completion of Python for everyone by University of Michigan – Coursera
* Certification for completion of C for everyone by University of California – Coursera
* Certification for completion of Introduction to Python by Coding Ninjas