Yasaswini Vedula

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PROFESSIONAL SUMMARY

Full-stack developer with 3+ years of experience in building and implementing interactive platforms using **React, Next.js, .NET, Spring Boot, and AWS**. Proficient in **designing microservices, developing REST APIs**, database optimization, cloud deployments, and CI/CD automation. Experienced in developing secure, high-performance applications and collaborating with cross-functional teams and working in **agile environments**.

TECHNICAL SKILLS

Programming Languages: C, Python, Java, JavaScript, Typescript, R, ABAP

Development: .Net, React, Next.js, Node.js, Angular, Spring Boot, HTML, CSS, Tailwind CSS, REST APIs

Database: MySQL, SQL Server, Oracle, PostgreSQL, Mongodb

Devops and Tools: Jira, Postman, Jenkins, Git, MS Visio, Docker, Kubernetes, Confluence

WORK EXPERIENCE

Full Stack Developer / TANTV Studios   **May 2024 – Feb 2025**

- Engineered a scalable **microservices-based** media platform connecting creators and publishers, using **Next.js, Bootstrap, and .NET APIs**, improving UI responsiveness and backend efficiency
- Integrated a chatbot using **OpenAI API**, enabling real-time user interaction and reducing manual searches by 63% for content and improving accessibility
- Secured platform security by **OAuth 2.0 and JWT authentication**, ensuring secure API communication.
- Refactored **.NET APIs with CRUD operations** and caching mechanisms, optimizing content retrieval, reducing redundant data fetching, and improving response times by 19%
- Automated deployments with **GitHub Actions and Vercel**, eliminating manual builds and reducing deployment time by 41%

Full Stack Developer (Senior Systems Engineer) / Infosys   **May 2022 – Jan 2023**

- Designed and coded a real-time server monitoring and alerting system using **React and Spring Boot**, enabling early detection of system failures and reducing incident response time, leading to a 20% decrease in system downtime
- Built interactive **dashboards** with real-time system metrics and integrated logging tools to monitor CPU usage, memory consumption, and API latency while automating issue detection for faster troubleshooting
- Orchestrated **request batching** on the frontend to reduce redundant API calls and **caching** on the backend to speed up responses, improving API response times by 35%
- Reconfigured **PostgreSQL** queries with indexing and partitioning, cutting data retrieval time by 30% and speeding up reporting

Web Developer (Systems Engineer) / Infosys   **Jan 2021 – April 2022**

- Developed and architected a Supplier & Parts Management Portal using **Angular, TypeScript, and SQL**, allowing real-time tracking of supplier performance and order processing, improving procurement efficiency by 29%
- Optimized search and filtering for supplier records, reducing query response time from 6.4s to 2.2s for 500K+ supplier and parts entries, ensuring faster data retrieval
- Implemented an **automated order tracking system**, allowing suppliers and procurement teams to monitor order status, delays, and approvals in real-time, decreasing order processing time by 26%
- Established **role-based UI access** for procurement teams, suppliers, and auditors, improving data security and reducing unauthorized access incidents by **17%**
- Enhanced UI performance using **lazy loading and pagination**, reducing page load times from **4.6s to 1.7s** for large datasets
- Integrated **Jenkins** pipelines for continuous integration and automated deployment, improving development cycle efficiency and deployment reliability

PROJECTS

Full-stack Web Application for Student Feedback Management System   **Jan 2024 – May 2024**

- Architected web applications using **React, Angular, and Spring Boot**, deploying on **AWS (S3, EC2)** for scalability
- Leveraged **React Hooks** for efficient **state management**, reducing unnecessary re-renders and improving component performance
- Streamlined **RESTful APIs** and optimized **MySQL** with JPA/JDBC, reducing query execution time and enhancing data flow

Ecommerce Platform with Personalized Recommendations   **Aug 2023 – Dec 2023**

- Built a **React** + **Node.js** platform with secure checkout and personalized product recommendations
- Engineered a **TensorFlow.js-based ML** recommendation engine, increasing customer engagement by 20%

EDUCATION

George Mason University   **Jan 2023 – Dec 2024**

Master Of Science (M.S.), Computer Science   GPA: 3.83/4.00

Vignan's Institute of Information Technology   **Jun 2016 – May 2020**

Bachelor of Technology (B. Tech), Computer Engineering   GPA: 4.00/4.00