Akash Maurya

MERN STACK DEVELOPER

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Seeking a challenging MERN Stack Developer position in the Computer Software/Engineering industry to leverage expertise in developing robust and scalable web applications. Bringing a proven track record of designing, implementing, and deploying high-performance applications using technologies like Node.js, React, MongoDB, and Express.js. Committed to contributing innovative solutions while continually seeking opportunities to learn and grow within a dynamic and fast-paced environment.

PROFESSIONAL SUMMARY

- Developed and deployed full-stack web applications using Node.js, React, and MongoDB, ensuring optimal performance and scalability.
- Integrated REST APIs and GraphQL endpoints to facilitate seamless communication between front-end and back-end systems.
- Implemented authentication and authorization mechanisms, including JWT, OAuth, and RBAC, to secure applications and protect user data.
- Leveraged cloud platforms like AWS to deploy, manage, and scale applications, optimizing cost-efficiency and performance.
- Collaborated with cross-functional teams, including designers, product managers, and quality assurance engineers, to deliver high-quality software solutions.

WORK EXPERIENCE

XRG Consulting Pvt Ltd

Software Associate (Hyderabad)   (Aug 2024 - Present)

Responsibilities included designing, developing, and implementing scalable and secure microservices for user authentication and authorization using Node.js, Express.js, MongoDB, and TypeScript.

- Designed, developed, and deployed a microservice for authentication and authorization within a complex application ecosystem utilizing Node.js, Express.js, MongoDB, and TypeScript.
- Engineered and implemented JWT-based authentication, OAuth/OIDC for seamless SSO integration, and a robust role-based access control (RBAC) system to fortify application security and streamline user management.
- Proactively collaborated with the senior engineering team to effectively diagnose and resolve critical server and application performance bottlenecks, ensuring optimal uptime and user experience.
- Implemented industry-standard security best practices across all development stages, including but not limited to rate limiting, encryption protocols, and secure session management techniques, effectively mitigating potential security risks.

Achievements:

Successfully integrated Message Queue System to optimize the Nishchint application's email and notification delivery processes, resulting in a significant 60% reduction in API response times, thereby enhancing overall application performance and user experience.

SKILLS

Technical Skills: Node.js, React, MongoDB, Express.js, REST APIs, JavaScript, TypeScript, Git, Docker, Cloud Platforms (AWS/Vercel), Next.js, C++, Data Structure & Algo, Redis, Load Balancing, Rate Limiting, WebSockets, Authentication (JWT, OAuth, OIDC, SSO)

Soft Skills: Communication, Collaboration, Problem-solving, Adaptability, Time management, Creativity, Attention to detail, Analytical skills, Learning agility, Self-motivation

Core Competencies: Full-stack Web Development, API Development & Integration, Database Management & Optimization, Cloud Deployment & Management, Agile Development Practices

EDUCATION

Lovely Professional University, Punjab   (07/2021 - 05/2023)
Master of Computer Applications (MCA)

SVS University, Meerut UP   (06/2017 - 06/2020)
Bachelor of Computer Applications (BCA)

CERTIFICATIONS

- FullStack Developer (Excelr Solutions Hyderabad - 2023)

PROJECTS

Medium Blog Application
- Architected and developed a full-stack blog platform inspired by Medium using Node.js and TypeScript, leveraging a serverless architecture to ensure optimal performance and cost-efficiency.
- Implemented Cloudflare Workers as a serverless platform to enhance application performance and scalability, enabling seamless handling of traffic spikes and ensuring a smooth user experience.
- Integrated GitHub OAuth for streamlined user authentication, simplifying the registration and login processes while enhancing the platform's security posture.
- Successfully containerized the application using Docker, facilitating environment consistency and enabling seamless deployment across various cloud platforms.
- Optimized the application for cloud deployment, ensuring cost-effective resource utilization and effortless scalability to accommodate future growth.

Sudarshan Online Compiler
- Designed and deployed Sudarshan Online Compiler, a web-based code compilation platform designed to support multiple programming languages through seamless integration with the JDoodle API.
- Leveraged the Context API for efficient state management across the application, resulting in a significantly smoother and more responsive user experience.
- Implemented the JDoodle REST API to enable secure and scalable code execution, ensuring platform stability and the ability to handle a high volume of compilation requests.
- Successfully optimized backend performance through a series of strategic improvements, achieving a remarkable 40% reduction in code compilation response times and enhancing the platform's overall efficiency.

HOBBIES

Coding, Tech Blogs, Open Source, Problem Solving, Learning

LANGUAGES

English, Hindi