

Palguna TM

Back End Developer

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Profile Summary

Backend Developer with over 2+ years of experience in the tech industry, specializing in Node.js, JavaScript (ES6+), and TypeScript. Roles have primarily focused on developing robust backend systems, managing databases, and ensuring scalable and secure application architectures. Excels at writing clean, maintainable, and efficient code, adhering to best practices and security standards.

Skills

- **Languages:** TypeScript, JavaScript, Java, Python, SQL, C, HTML
- **Frameworks & Libraries:** Node.js, Express.js, React.js, Spring, Springboot
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Tools & Platforms:** Docker, Kubernetes, Jenkins, Git, GitHub, GitLab, AWS, GCP
- **Other:** RESTful APIs, Microservices, CI/CD, Unix, DBMS, Word, PowerPoint

Work Experience

Back End Developer

Exozen

03/2022 - Present

- **Improved database query performance by 30%** through optimization techniques, indexing, and efficient query structuring.
- **Accelerated API response time by 15% by refactoring**, implementing efficient caching mechanisms, and optimizing server configurations.
- **Scaled backend systems by 40%** through the implementation of microservices architecture and horizontal scaling strategies.
- Enhanced CI/CD pipeline **efficiency by 25%** with automated tests and continuous integration using Jenkins.
- Increased maintainability and **reduced technical debt by 35%** through rigorous reviews and the implementation of robust testing frameworks.
- Led a team of 2 developers in migrating legacy systems to modern tech stacks, **improving overall system performance by 25%**.
- Developed and maintained RESTful APIs, ensuring high availability and performance for critical services.
- Collaborated closely with front-end developers and product managers to deliver seamless and user-friendly applications.
- Implemented secure authentication and authorization mechanisms, **reducing security vulnerabilities by 20%**.
- Conducted regular system audits and performance tuning, **resulting in a 15% increase in overall system efficiency**.
- Spearheaded the adoption of containerization using Docker, enhancing deployment consistency and scalability.

Education

B.Tech/B.E. - Computers

Shri Madhwa Vadiraja Institute of Technology and Management, VTU University, Karnataka, India

2020

Grade: 7.12/10

Projects

- **Project Name:** Legacy System Migration and API Development
- **Description:** Led the comprehensive migration of backend systems from a legacy MongoDB setup to PostgreSQL. This involved not only data migration but also the development of new APIs to leverage the capabilities of the new system.
- **Technologies Used:** Docker, Node.js, Kafka, Java.
- **Role:**
 - Spearheaded the migration project, ensuring data integrity and minimal downtime.
 - Designed and developed new RESTful APIs to enhance system functionality and performance.
 - Implemented Kafka for efficient data streaming and real-time processing.
 - Utilized Docker for containerization, ensuring consistent and scalable deployments.
 - Collaborated with cross-functional teams to integrate new APIs with front-end systems and other services.
 - Conducted performance tuning and optimization to ensure the new system met all performance benchmarks.
- **Outcome:** Successfully migrated the system, resulting in improved performance, scalability, and maintainability. The new APIs provided enhanced functionality, leading to a 20% increase in user satisfaction and a 15% reduction in response times.

Languages

- English
- Kannada

Certifications

- Rest API Testing (Automation) From Scratch - Rest Assured Java
- Career Essentials in GitHub Professional Certificate