

MUKUL BAREWAR

Full Stack Developer (MERN Stack) | DevOps Engineer

2+ Years Experience

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PROFESSIONAL SUMMARY

Versatile Full Stack MERN Developer with 2+ years of experience building scalable web applications and automating deployment processes. Proficient in React.js, Node.js, MongoDB, Express.js, SQL, and DevOps tools including Docker, Kubernetes, Jenkins, and Amazon Web Services (AWS). Strong problem-solving skills with proven ability to reduce deployment time by 40% and achieve 99.9% system uptime through containerization and microservices architecture.

WORK EXPERIENCE

Full Stack Web Developer Octrans Technologies Private Limited | Pune, Maharashtra

March 2023 - Present

- Developed and maintained 5+ scalable web applications using MERN stack with Performance Optimization techniques and API Development best practices
- Implemented CI/CD pipelines using Jenkins, reducing deployment time by 40%
- Orchestrated containerized applications using Docker and Kubernetes, achieving 99.9% system uptime
- Migrated monolithic applications to microservices architecture, improving scalability by 60%
- Optimized cloud infrastructure on AWS, reducing operational costs by 25%
- Collaborated with cross-functional teams using Agile methodologies

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), Python, SQL, HTML5, CSS3

Frontend: React.js, Redux, Context API, Bootstrap, jQuery, Responsive Web Design, Single Page Applications (SPA), User Interface (UI), User Experience (UX), Component-Based Architecture

Backend: Node.js, Express.js, RESTful APIs, AJAX, API Development, Server-Side Rendering,

Microservices, API Integration

Databases: MongoDB, MySQL, Microsoft SQL Server, NoSQL, Database Design, Database Management, Data Modeling, Query Optimization

Cloud & DevOps: Amazon Web Services (AWS), Docker, Kubernetes, Jenkins, Terraform, Ansible, Puppet, Continuous Integration and Continuous Deployment (CI/CD), Cloud Computing, Container Orchestration, Infrastructure as Code (IaC)

Development Tools: Git, GitHub, Version Control, VS Code, Postman, Thunder Client, Rapid API Client

Database Tools: MongoDB Compass, MongoDB Atlas, Database Administration, Command Line Interface

Monitoring & Quality: Nagios, ELK Stack (Elasticsearch, Logstash, Kibana), SonarQube, Maven, Application Performance Monitoring

Software Architecture: Microservices Architecture, Monolithic Applications, System Design, Software Development Life Cycle (SDLC)

Methodologies: Agile Development, Scrum, Test-Driven Development (TDD), DevOps Practices

Development: Full Stack Development, Web Development, API Development, Database Management

Soft Skills: Problem-Solving, Team Collaboration, Communication, Time Management, Adaptability, Continuous Learning, Attention to Detail, Leadership, Work Ethic, Resilience

KEY PROJECTS

Project 1: User Authentication API - Node.js Capstone Project

Technologies: Node.js, Express.js, MongoDB, NPM, Password Hashing, JSON Web Token (JWT), Bcrypt

- Objective: Build a secure RESTful API for user registration and authentication.
- Implementation: Initialized NPM project, set up Express.js and MongoDB, developed secure routes for sign up and sign in with validation, and implemented user authentication using advanced password hashing techniques.
- Result Achieved: Delivered a secure authentication system with robust password storage mechanisms.

Project 2: Image Search Application - React.js Project

Technologies: React.js, Unsplash API, CSS3, Error Handling, Axios, Frontend Development

- Objective: Develop a responsive front-end application to search and display images using Unsplash API.
- Implementation: Built interactive search box and button components, integrated real-time API calls to Unsplash for image retrieval, implemented error handling and loading indicators, and added links to higher-resolution image versions.
- Result Achieved: Created a fully functional image search application with seamless API integration and enhanced user experience.

Project 3: DevOps Lifecycle Implementation - Analytics Pvt Ltd

Technologies: Docker, Kubernetes, Jenkins, Git, YAML, Container Orchestration, Automation

- Objective: Automate deployment, scaling, and operations of application containers across a Kubernetes cluster.

- Implementation: Designed Git workflow, created custom Docker images, deployed applications to a Kubernetes cluster with 2 replicas, configured Node Port services, and automated the process using Jenkins Pipeline scripts.
- Result Achieved: Achieved 100% automated deployment process with zero-downtime deployments.

CERTIFICATIONS

- Full Stack Web Development (MERN Stack)
- DevOps Engineering
- Node.js Development
- React.js Development
- MongoDB Database Administration
- Microsoft SQL Server
- JavaScript ES6+
- Express.js Framework
- HTML5 & CSS3

EDUCATION

- Bachelor of Engineering in Electronics & Communication

Tulshiram Gaikwad Patil College of Engineering, Nagpur | Graduated: June 2022

- Full Stack Web Developer MERN Course

Intellipaat Pvt Ltd, Bengaluru | Completed: 2022

ACHIEVEMENTS

- Reduced application deployment time by 40% through automation
- Achieved 99.9% system uptime using container orchestration
- Improved application scalability by implementing microservices architecture
- Optimized cloud infrastructure costs by 25% on AWS platform