

Vasu Manoharan

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Career Profile:

Results-oriented DevOps Engineer with over **2 years** of experience in automating, optimizing, and managing development and infrastructure operations. Skilled in **CI/CD pipeline** development, cloud services, and infrastructure as code (IaC). Proficient in leveraging modern DevOps tools to streamline processes, reduce lead times, and improve system reliability. Passionate about delivering scalable, secure, and resilient systems for fast-paced, agile environments.

Professional Summary:

- Expertise in designing and deploying fault-tolerant, scalable systems in cloud environments like **AWS**.
- Strong background in automating repetitive tasks, improving efficiency, and minimizing human error through tools such as **Jenkins, Ansible, and Terraform**.
- Proven track record of reducing deployment times and enhancing collaboration between **development** and **operations teams**.
- Passionate about continuous learning and staying updated with the latest **DevOps** technologies and methodologies.
- Skilled in cross-team collaboration and communication, ensuring seamless integration of DevOps practices within **agile development** workflows.
- Proficient in **MERN stack** technologies: MongoDB, Express.js, React.js, and Node.js, with experience in building full-stack applications.
- Strong database management skills with **MongoDB** and **SQL**, ensuring optimized data storage and retrieval.
- Hands-on experience with **DevOps practices**, including CI/CD pipeline development, automated testing, and deployment.
- Proficient in **containerization technologies** such as Docker and Kubernetes for deploying applications in a microservices architecture.
- Expertise in designing and managing **APIs** and integrating them into scalable applications.
- Adept at integrating DevOps principles with **full-stack development**, bridging the gap between development and operations teams.
- Developed complex **SQL queries**, including joins, subqueries, and stored procedures, to support backend operations and optimize data retrieval.
- Extensive experience with **MongoDB** for managing and storing large sets of unstructured data, including document-based and hierarchical data models.
- Expertise in version control using **Git**, efficiently managing code across multiple branches and projects in distributed team environments.
- Proficient in **HTML5, CSS3, and JavaScript** for building responsive, user-friendly web interfaces and single-page applications (SPAs).
- Skilled in modern front-end practices such as **flexbox, grid layouts, and CSS preprocessors** (Sass, LESS), along with **JavaScript frameworks** like **React.js** for dynamic UI components and enhancing user experience.

Work Experience:

- **Designation** : DevOps Engineer

Intelsoft Private Limited

Feb-2023 to Present

Project Experience:

- Managed multi-cloud infrastructure on **AWS**, optimizing cloud resources to cut costs by 20%.
- Migrated monolithic applications to microservices architecture, utilizing **Docker and Kubernetes clusters**.
- Integrated security protocols into **CI/CD pipelines**, ensuring compliance with industry standards.
- Developed automated scripts for system monitoring and patch management **using Bash and PowerShell**.
- Designed and deployed scalable, fault-tolerant infrastructure on AWS using services such as **EC2, S3, Lambda, and Cloud Functions**.
- Developed automation scripts in **Python, Bash, and PowerShell** for automating repetitive tasks, including server provisioning, deployment, and backups.
- Designed and executed disaster recovery plans, reducing downtime during major incidents by 25%.
- Actively contributed to **Agile development teams**, using Scrum methodologies to manage sprint planning, standups, and retrospectives.
- Delivered continuous improvements by incorporating stakeholder feedback and adapting processes based on sprint reviews and retrospectives
- Developed automated **Docker image builds** and integrated them with **CI/CD pipelines** for seamless container deployment.
- Expertise in JavaScript frameworks and libraries like **React.js and Node.js**, optimizing front-end and back-end development workflows.
- Experienced in **DOM** manipulation and event handling to create interactive and user-friendly web interfaces.
- Proficient in **JavaScript (ES6+)** for building dynamic, responsive web applications with a focus on performance and scalability.

Education Qualification:

Bachelor of Civil Engineering in **Anna University Tiruchirappalli(BIT Campus)**

Certifications:

MERN Stack Development Course in **ERROR MAKES CLEVER**.