

# Vasudhan Reddy

## Devops Engineer

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Newcastle Upon Tyne, England,  
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### PROFESSIONAL SUMMARY

Energetic Junior DevOps Engineer with a strong foundation in software development and a passion for automation and cloud technologies. Skilled in implementing DevOps practices to make software delivery faster and improve system performance. Proficient in deploying and managing cloud-based services effectively using AWS and Azure. Additionally, certified in AWS, showcasing expertise in Amazon's cloud technologies. Seeking new opportunities to grow in the IT industry.

### SKILLS

**Operating Systems**  
WINDOWS,LINUX

**AWS**  
EC2,IAM,S3,VPC,CLOUD  
WATCH,ECR,EKS

**Terraform & Cloud Formation**

**Docker**

**Git & Github**

**Bash and Python**




**Jenkins**

**SonarQube**

**SQL**

**POSTMAN**

### CERTIFICATIONS

Introduction to Python   
Agile Virtual Experience Program   
AWS Certified Solutions Architect -  
Associate 

### EDUCATION

**MSc Advanced Computer Science**, Northumbria University  
2023 | Newcastle Upon Tyne, United Kingdom  
Master of Science with Commendation (2:1)  
  
**Bachelor of technology(Hons.)**, Lovely Professional University  
2020 | Phagwara(Punjab), India  
Bachelor of Technology in Computer Science and Engineering (2:1)

### EXPERIENCE

**SDE-1**, ITSS Global  
2021 | Bengaluru, India

- Led development and deployment of person profile section for Peruvian bank BCI, improving banking operations and customer experience.
- Implemented HID OAuth Service for Login and Profile sections of web Banking app, boosting security and user experience.
- Developed and integrated third-party APIs into online banking apps for seamless UI/Backend synchronization and enhanced user experience.
- Collaborated with cross-functional teams to optimize systems, resolve technical issues, and improve system performance and efficiency.

### PROJECTS

**Freelance Project**, DNS Replacement for AWS-Hosted Website  
2023

- Initiated and led the migration of DNS settings for an existing website on AWS infrastructure, collaborating closely with the client to formulate the migration strategy.
- Evaluated the current DNS configuration, identifying opportunities for enhancing performance, security, and reliability, and conducted thorough testing to validate the accuracy and functionality of the new setup.
- Delivered the project within agreed timelines and budget, providing documentation and training for effective management and maintenance.

**AWS Resource Monitoring Automation**  
2023

- Developed a shell script leveraging CLI commands to monitor AWS resources in real-time, enabling proactive management of resource usage and performance.
- Integrated with CRON job scheduler to automate report generation, ensuring daily delivery of comprehensive reports every 6 hours for timely insights into system health.
- Utilized CLI tools to extract key metrics and insights from AWS resources, facilitating proactive monitoring and optimization of system performance.
- Enhanced operational efficiency by implementing automated reporting processes, enabling informed decision-making and proactive resource management for improved system reliability and cost-effectiveness.

**Application Deployment**  
2024

- Implemented a robust CI/CD pipeline using Jenkins to streamline the development and deployment lifecycle of a Spring Boot application.
- Orchestrated Git code extraction and Maven compilation stages, ensuring efficient code management and build processes.
- Enhanced security protocols by integrating SonarQube for continuous code quality assessment and OWASP and Trivy for vulnerability scanning.
- Successfully deployed the application into Docker containers on AWS infrastructure, ensuring scalability, reliability, and operational efficiency.

### REFERENCES

Reference available upon request.