

VASUDHAN REDDY CHENNAIHAGARI

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[LinkedIn](#) · [GitHub](#) · [Portfolio](#)

DEVOPS ENGINEER

AWS | CI/CD | PYTHON

SUMMARY

A curious learner and creative team player, I am interested in the job role of DevOps Engineer, where I can use and grow my skills to fulfil the requirements of clients and customers efficiently.

TECHNICAL SKILLS

- **Operating Systems:** Linux, macOS, Windows
- **Cloud & Infrastructure:** AWS, Kubernetes, Docker, Terraform, Cloud Formation, Ansible
- **Development & Scripting:** Python, Bash, SQL, MongoDB, Visual Studio
- **CI/CD & Version Control:** GIT, GitHub Actions, Jenkins, GitOps
- **Quality, Security, & Orchestration:** SonarQube, Trivy, ArgoCD
- **Monitoring Tools:** Grafana, Cloudwatch

WORK EXPERIENCE

SDE 1 – Bengaluru, Karnataka, India

03/2021 - 01/2022

ITSS Global

Led software development initiatives and cross-functional collaboration to optimise banking operations, enhance security, and elevate user experiences for Peruvian bank BCI.

- Spearheaded the development of a personal profile section, emphasising documentation, and significantly improving banking operations and customer experience.
- Implemented HID OAuth Service for web Banking app login and profile sections, prioritising banking and fintech security standards to boost overall security and user experience.
- Developed and integrated third-party APIs into online banking apps for synchronous UI/Backend operation, focusing on fintech integration and robust documentation.
- Collaborated closely with cross-functional teams to optimise systems, resolve technical issues, and improve system performance and efficiency within banking and fintech domains.

PROJECTS

DEV ENVIRONMENT WITH TERRAFORM

03/2024

- Planned and executed the deployment of a development environment on AWS using Terraform, including provisioning VPC and EC2 instances within it.
- Learned and applied best practices for AWS resource provisioning and Terraform configuration, ensuring efficient and scalable infrastructure setup.
- Troubleshooted and resolved issues related to Terraform configurations and AWS service integrations to ensure smooth deployment and operation of the environment.
- Implemented monitoring using CloudWatch to track resource utilisation, performance metrics, and application logs for proactive maintenance and optimisation of the deployed environment.

DOCKER LOG MONITORING WITH GRAFANA

02/2024

- Developed and deployed a monitoring solution using Grafana to visualise Docker logs, gaining insights into containerised application performance and resource utilisation.
- Referred to official documentation and community resources to troubleshoot and debug configuration issues, ensuring the reliability and accuracy of the monitoring setup.
- Created dashboards and set up alerts within Grafana to proactively identify anomalies and performance bottlenecks in Docker environments.
- Deployed the Grafana, Promtail, and Loki stack for continuous monitoring, enabling proactive identification of issues and ensuring optimal performance of Dockerised applications.

DEPLOYMENT OF WEB APPLICATION

02/2024

- Led the development of a Node.js and Express web application enabling seamless digital document signing with an integrated drawing pad tool.
- Developed and implemented CI/CD pipelines using GitHub Actions, resulting in a 35% enhancement in deployment efficiency.
- Automated testing processes, leading to a 15% reduction in production bugs.
- Implemented robust security measures, including SonarQube, for code vulnerability checks.
- Dockerised the application and deployed the image on AWS EC2.

PERSONAL PORTFOLIO

02/2024

- Designed and implemented a personal portfolio website using HTML, CSS, and JavaScript, showcasing my skills, projects, and achievements.
- Integrated a third-party API to enable seamless communication, allowing visitors to contact me via email directly from the website.
- Deployed the website on GitHub Pages for public access and mapped a custom domain for enhanced branding and accessibility.

PROFESSIONAL SKILLS

- Ability to listen, accept criticism, and respect others.
- Strong Problem solving and logical thinking abilities.
- Proficient in written and verbal communication skills.

EDUCATION

MSc in Advanced Computer Science - Computer Science

University of Northumbria - Newcastle upon Tyne, England, United Kingdom

Bachelor of Technology in Computer Science and Engineering (Honours) - Computer Science

Lovely Professional University - Phagwara, Punjab, India

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- Introduction to Python - Coursera
- Agile Virtual Experience Program - JP Morgan
- Learning GitHub Actions - LinkedIn
- Introduction to Continuous Delivery and GitOps using Argo CD