VISHNU KOSURI

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SUMMARY

DevOps Engineer with 5 years of experience designing and automating secure, resilient, and scalable infrastructure. I hold a Master's degree and am CKA and AWS certified. My expertise lies in mitigating security vulnerabilities, driving automation, and cost optimization, with a particular passion for improving system resilience through chaos engineering.

EDUCATION

Masters in Information Technology Management   **August 2021 - May 2023**
University of Texas At Dallas, USA.
Coursework: Python, Data Vizualization, ERP SAP, Database Management, Cloud Analytics, IAM, Salesforce, Cyber Ark.

CERTIFICATIONS

- **CertifiedKuberenetes Administrator -** Click here to view
- **Kodekloud: ranked 88/14k users -** Click here to view
- **Prometheus Associate -** Click here to view
- **AWS Solution Architect(Professional) -** Click here to view
- **AWS Solution Architect(Associate) -** Click here to view
- **AWS Devops Engineer -** Click here to view

PROGRAMMING LANGUAGES

Python, JavaScript, Groovy, YAML, SQL, PromQL, Boto3, Shell.

WORK EXPERIENCE

DevOps Engineer, Covestro, PA, USA.   **July 2023 - December 2025**

- Engineered optimizations for a highly available solution that ensured 100% SLI/SLO compliance and drove a 12% boosting overall performance.
- Led AI automation initiative which enhanced system reliability, achieving a 99.95% availability.
- Accelerated deployment velocity by 95% through the end-to-end automation of infrastructure and CI/CD pipelines.
- Implemented zero-downtime maintenance strategies, boosting team productivity by 95%.
- Administered 12 productions clusters and reduced recurring incidents by 30% , improving system resilience.

  Environment: AWS, Ansible, AKS, EKS, Terraform, Github, ECS, Docker, Opentelemetry, Kafka, Prometheus, ELK, Snyk

Cloud Engineer, Moodys, NC,USA.   **October 2022 - June 2023**

- Automated Deployement by creating cloud Infrastructure like VPC, EC2, NAT, Lambda gatewayas and Load Balancers through terraform which enabled faster creation multi cloud environements by 80% and deployments.
- Streamlined AWS architecture, reducing infrastructure maintenance costs by 13% YonY%.
- Automated creation of failover and disaster recovery sites, reducing RTO by 60%, enabling recovery under 15 minutes.
- Designed and managed high availability virtual networks and cross region connectivity to ensure redundant and low latency communication for mission critical services.

  Environemt: AWS, AZURE, Terraform, Gitlab, Lambda, CLoudwatch, Docker, Kuberenetes,ECS, EKS, Blue - Green.

Account Manager, Dell EMC, India.   **November 2017 - January 2020**

- Administered Retention and development account base by fostering client relations to drive enterprise solution sales which increased customer portfolio by 18% YonY.

PROJECTS

AI-promptEngineer-ChemTrack website: Click here to view   **Env: AWS Cloud Formation, RDS, Bedrock, S3,Flask API.**
- Built a chem-tracking website to track real time for inventory management.

Wild Rydes-Serverless Ride-Sharing App: Click here to view   **Env: Dynamo DB, cognito(AUTH 2.0), API Gateway, Amplify.**
- Deployed aweb-application and enabled ride-sharing features which enables user to identify drivers using GPS tracking.

AWS Ninja – Infrastructure Governance Automation: Click here to view   **Env: Boto 3, AWS, Azure, Vanta, Lambda.**
- A lambda script which can be integrated with any cloud provider which can regulate creation and maintain compliance.

ML Pipeline – Flight Delay / Anomaly Detection: click here to view   **Env: S3, Kinesis, SageMaker, Step Functions, Glue.**
- Fullfunctioanal MLmodel, trained by hyper-parameter tuning which can predict flights delay with anomaly detection.