

Hitanshu Gupta

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SKILLS

Language/Scripting

- Python • Bash Scripting • C++
- YAML • SQL

Cloud

- AWS (EC2, IAM, S3, RDS, Lambda, VPC, Route 53, ECS, EKS, Beanstalk, API Gateway) • Azure (VM & Blob)

Containers & IaC

- Docker • Kubernetes • Terraform
- HashiCorp Vault • Ansible • Helm
- Nginx

CI/CD

- GitHub Action • Jenkins • GitLab

Monitoring & Logging

- Solarwinds • Prometheus • Grafana

Operating System

- Linux • Windows

Networking/Protocols

- IP Addressing • Subnetting/CIDR
- Firewall configuration • TCP/IP • DNS
- HTTP/HTTPS • ICMP/SNMP/WMI

Tools

- VSCode • Postman • JIRA

Soft Skills

- RCA • Client Communication
- SLA Management • Documentation

ACHIEVEMENTS

- Certified Hashicorp Terraform Associate
- AWS Certified Developer – Associate
- Linux Basics Course & Labs
- DevOps Bootcamp by CodingSpoon
- DevOps internship by CT

LINKS

Linkedin:// [hitanshu](#)

GitHub:// [hitanshu](#)

Credly:// [hitanshu](#)

Hashnode:// [hitanshu](#)

Leetcode:// [hitanshu](#)

EDUCATION

Lovely Professional University

B.TECH in Computer Science and Engineering
2020-2024 | Punjab, India
CGPA: 7.9/10

S.K.L.G.D. Public School

Class 12(CBSE)
2019-2020 | Agra, India
Percentage: 67 %

EXPERIENCE

UNISYS GLOBAL SERVICES | ASSOCIATE SOFTWARE ENGINEER

August 2024 - Present | Bengaluru

- Containerized critical application components using **Docker**, standardizing deployment across test and production, and cutting environment setup by **40%**.
- Automated Kubernetes deployment via **helm charts** for Monitoring DI system, to enabling single-touch deployment and reducing manual steps by **30%**.
- Authored **Python automation scripts** to enforce Monitoring as Code, securely retrieving **Site24x7 API** credentials from **HashiCorp Vault** to standardize configurations and reduce manual setup efforts by **85%**.
- Architected a serverless monitoring solution on AWS using **Lambda, S3, CloudWatch, and SNS** to enhance the (MTM) observability of polling servers. The entire infrastructure was provisioned via **Terraform**, slashing manual effort by **90%**.
- Managed 24/7 **Solarwinds** monitoring for three major clients, leading high-severity incident resolution and developing **custom solutions** for new requirements.

UNISYS GLOBAL SERVICES | ASSOCIATE SOFTWARE INTERN

October 2023 - August 2024 | Bengaluru

- Systematically troubleshoot and enhanced the Terraform-based(IaC) pipeline, implementing **modular design** patterns which led to a **60%** reduction in deployment failures and significantly improved provisioning reliability.
- Engineered an event-driven AWS account isolation workflow using a **Suspension OU**, which leveraged **CloudTrail and EventBridge** to trigger **Lambda/Step Functions** that automatically blocked all ingress/egress traffic for **EC2, API Gateway, and Route53**, while an attached **SCP** restricted all resource creation and modification, ensuring a **100%** lockdown.
- Slashed software release cycle time by **35%** for **UAT and Production** by architecting and optimizing scalable **Jenkins CI/CD pipelines**, which enforced deployment consistency and eliminated **configuration drift** across multiple globally distributed environments.

PROJECTS

AUTOMATED STRAPI CMS DEPLOYMENT ON AWS | GITHUB

AWS, Git, Terraform, Shell script

- Provisioned a secure AWS infrastructure (**VPC, ALB, RDS, S3**) from code using reusable Terraform modules.
- Deployed a **Strapi CMS** on a **private EC2** instance, using a **Bastion host** for secure, controlled access.
- Automated the entire server configuration with a user-data shell script to install dependencies, configure **Nginx**, and run the app with **PM2**.

AUTOMATED AWS WEB SERVER DEPLOYMENT | BLOG LINK

EC2, Nginx, YAML

- Implemented a multi-node lab environment on **AWS EC2**, configuring an Ansible master server and managed hosts for automation.
- Developed idempotent Ansible **playbooks** to fully automate **Nginx** web server installation, configuration, and web page deployment.
- Created a repeatable automation framework that cut manual server setup time by over **95%** and ensured consistent, error-free deployments.