SHUBHAM NITIN JOSHI

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Profile

Senior Software Engineer with 7 years of experience, including 3 years in full-stack development and 4 years specializing in DevOps. Proficient in tools and technologies like Jenkins, Azure DevOps, GCP, Terraform, Ansible, Docker, and Kubernetes. Focused on advancing expertise in the DevOps domain.

Skills

Languages: Python, SQL, JavaScript, Bash Shell, Go
Libraries/Frameworks: Django, Django REST Framework, Angular
IaC: Terraform, Ansible
Cloud & DevOps: Microsoft Azure/AWS/GCP, GitHub, Jenkins, Docker, Kubernetes
Tools & Databases: Git, Octopus Release, Linux (Ubuntu), PostgreSQL, Jira
Monitoring tool: opentelemtry, AppDynamics
Platform engineering tool: Backstage IDP

Work Experience

TEK Systems, Pune   25 Nov 2024 – Present
Senior Software Engineer   *Hybrid*
  Project 1:HSBC - WSIT Caching As a Service

- As a SRE automation Engineer designed and developed pipeline using Jenkins and declarative **g**roovy scripting.
- Created modular ansible playbook to interact with pipeline to automate SRE activities,deployments and monitoring on hazelcast plaform(a caching platform like redies).
- Used bash shell scripting and python for server configurations like node/management center upgradation.
- For monitoring and alerting configured hazelcast eco-system with **o**pentelemtry with AppDynamics.
- Configured and implemented modular services using terraform for infrastructure as code.
- Maintained production/non-production ansible templates with **A**nsible tower.
- To reduce Jenkins-interaction with developers and stakeholders created YAML based templates and custom-plugins using **b**ackstage IDP (platform tool).
- Contributed as individual for **T**PAM(PAR) reduction activities for SRE's using automation over hazelcast platform.

Hexaware Technologies Pvt Ltd, Pune   13 Sept 2021 – 22 Nov 2024
Senior Technical Analyst   *Remote*
  Project 1:AXA - Belgium

- As a DevOps engineer in Software Delivery Automation team contributed individually in SDLC process.
- Created and maintaned CI/CD pipelines jenkins, Azure DevOps and AWS codebuild based on the applications category compliance.
- In Jenkins used scripted as well declarative pipelines using shared libraries where as in azure devops used YAML and template based pipeline.
- For automated deployment process a/c multi-environment , setup and configured github,Jenkins and Octopus deploy. Furthermore in Octopus deploy wrote custom-template using bash-shell and Python.
- Apart from the deployment automate routine operational tasks such as database maintenance, backups, and infrastructure provisioning.
- For Automated infrastructure provisioning used cloud specific Terraform and Ansible as per stackholders requirement.
- Managed containerized applications using Docker and Kubernetes for efficient deployment and scaling.
- Implemented auto-scaling and high availability strategies for cloud-native applications also Managed secure cloud networking (VPCs, firewalls, load balancers, VPNs)
- Created Python scripts to automate the process of backup and tagging the archived sonarqube projects also using sonarqube Apis. Also developed and enhanced several scripts for routine operational tasks.
- As a Security Compliance managed secrets and credentials securely using HashiCorp Vault/AWS Secrets Manager/Azure Key Vault, conducted vulnerability scanning with enforced DevSecOps practices within CI/CD pipelines. Also implemented role-based access control (RBAC) and audit trails to ensure security compliance.

- In several applications, implemented and maintained pipelines on AWS using CodePipeline, CodeBuild and CodeDeploy.
- For promoting the application version to higher environment configured dititalAI tool.

Creative Virtual Pvt Ltd, New Mumbai   03 May 2021 – 18 August 2021
Software Engineer   *Remote*
    Project 1: Admin panel

- Design the backend database, develope the API's and perform the Unit testing.
- Develop the frontend using Angular Framework.
- Deploying the web application to cloud environment.
- Publishing the Docker Image of web application for client

Terse Software Pvt Ltd, Pune   14 Feb 2018 – 30 April 2021
Software Engineer   *On site*
    Project 1: Turtlebean NPTI

- Responsible development of web as well as mobile application.
- Design and development of web as well as mobile application.
- Collaborate with stakeholders to refine the requirements.
- Provide e2e support and maintanance.

Projects

Food Mess app | GitHub Repository: https://github.com/shubham1507/FoodApp

- Designed, developed the backend Apis using Django REST.

Education

MGM's – College of Engineering   Nanded, Maharashtra
Bachelor of Engineering in Computer Science   *August 2013 – July 2016*