

# 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. Also made hands dirty with security tools SnyC, OWASP, and Burp Suite.

## 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, JFrog Artifactory, Nexus, sonarqube

**Monitoring tool:** opentelemetry, AppDynamics

**Platform engineering tool:** Backstage IDP

**Security tool:** BurpSuit Pro, Mend, Snyk, HP45, NessusNmap, OWASP ZAP

## Work Experience

### TEK Systems, Pune

Senior Software Engineer

25 Nov 2024 – Present

Hybrid

#### Project 1:HSBC - WSIT Caching As a Service

- As a SRE automation Engineer designed and developed pipeline using Jenkins and declarative groovy scripting.
- Created modular ansible playbook to interact with pipeline to automate SRE activities,deployments and monitoring on hazelcast plattform(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 opentelemetry with AppDynamics.
- Configured and implemented modular services using terraform for infrastructure as code.
- Maintained production/non-production ansible templates with Ansible tower.
- To reduce Jenkins-interaction with developers and stakeholders created YAML based templates and custom-plugins using backstage IDP (platform tool).
- Contributed as individual for TPAM(PAR) reduction activities for SRE's using automation over hazelcast platform.

### Hexaware Technologies Pvt Ltd, Pune

Senior Technical Analyst

13 Sept 2021 – 22 Nov 2024

Remote

#### Project 1:AXA - Belgium

- As a DevOps engineer in Software Delivery Automation team contributed individually in SDLC process.
- Created and maintained 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 ditalAI tool.
- Performed mass migration of artifactory from Nexus to JFrog Artifactory using OS tools.
- Performed on-prem applications security scanning using OWASP ZAP, BurpSuit.
- Performed source code analysis using SonarQube, CodeCoverage, and CodeAnalysis, also VAPT and API testing using Postman.
- Proficient in understanding and executing application level vulnerability attacks like -XSS (Cross Site Scripting), SQL injection, CSRF (Cross Site Request Forgery), Session
- Implemented Azure security best practices, including RBAC, Azure Policy, and Key Vault integration to ensure secure and compliant cloud environments.
- Monitored and responded to security threats using Microsoft Defender for Cloud and Azure Sentinel, enhancing overall cloud security posture and incident response.

#### **Creative Virtual Pvt Ltd, New Mumbai**

*Software Engineer*

03 May 2021 – 18 August 2021

*Remote*

##### **Project 1: Admin panel**

- Design the backend database, develop 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**

*Software Engineer*

14 Feb 2018 – 30 April 2021

*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 maintenance.

## Projects

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**Food Mess app** | Python-Django: <https://github.com/shubham1507/FoodApp>

**Bulk GitRepo Remover** | GoLang: [https://github.com/shubham1507/Bulk\\_GitRepo\\_Remover](https://github.com/shubham1507/Bulk_GitRepo_Remover)

- Designed, developed the backend Apis using Django REST.

## Education

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**MGM's – College of Engineering**

**Bachelor of Engineering in Computer Science**

Nanded, Maharashtra

August 2013 – July 2016