

PRANIT PAWAR

DevSecOps Engineer | Full stack Developer

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Pune, Maharashtra, India |



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- Dedicated Software Engineer with almost 5.6+ years of industry experience in the IT Sector.
- AWS Certified Associate Solutions Architect.
- Passionate about building secure software.
- Developed Android applications for learning end-to-end software lifecycle.
- Designed and implemented highly available microservices to effectively support the Backend
- Enjoy building systems using microservice architecture, DevOps practices, and agile methodologies.
- Regularly blogs on Medium about AWS, Security, K8s, and Coding

PROFESSIONAL EXPERIENCE

Deserve lab, Pune India

DevSecOps Engineer

April - 2023 to Present

- **Establish a secure CI/CD pipeline for microservices** to ensure efficient, automated code deployment and testing processes.
- **Integrate Cloudflare, CrowdStrike, Google Workspace, and GitHub with Elasticsearch** for centralized logging, monitoring, and security event visualization.
- **Set up and manage Elasticsearch** to visualize and analyze infrastructure metrics, application logs, and security events.
- **Configure the Terraform Cloudflare provider** for seamless management of Cloudflare resources, automating infrastructure tasks related to DNS, security, and performance.
- **Develop automation scripts** using Python and Bash to streamline tasks such as provisioning, monitoring, and alerting.
- **Implement microservices using Python and Kubernetes** to enable scalable, containerized services with efficient orchestration and management.

- **Configure notifications for AWS security services**, ensuring timely alerts and responses to security incidents in AWS environments.
- **Set up security monitoring within AWS** using tools like GuardDuty, CloudTrail, and Security Hub to detect and respond to threats in real-time.
- **Enable DNS resolver logging** to monitor VPC traffic, capturing and analyzing DNS queries for enhanced security visibility.

[LambdaTest](#), Noida, India

DevOps Engineer

October 2022 – April 2023

- Developed and maintained Docker containers and orchestrated them using Kubernetes, allowing for more efficient resource allocation and better scalability.
- Managed AWS services such as EC2, RDS, S3, and Lambda, optimizing costs and improving service availability and reliability
- Developed a Python script to suggest the optimal EC2 instance type based on Memory and CPU requirements.
- Optimized cost by resizing EC2 instance type without any downtime.
- Configured a new GitHub runner from scratch.
- Created Python scripts for AWS resource migration and deletion.
- Enabled AWS notifications through GitHub actions at zero cost.
- Conducted seamless migration of RDS from one account to another with zero downtime.

[Medly Software Systems LLP](#), Pune, India

SDE - I | DevSecOps Engineer

April 2021– October 2022

- Managed AWS Security Infrastructure as Code (IaC) using Terraform.
- Worked with docker for an end-to-end application delivery.
- Implemented AWS Web Application Firewall (WAF) at org level for blocking vulnerable API requests.
- Implemented AWS Patch Manager at org-level to patch servers against vulnerabilities and scheduled maintenance windows for the same.
- Set up static code analysis tools like tfsec.
- Written security automation using Python scripts.
- Experienced in using AWS foundation services related to computing, network, storage, notifications, administration and security, deployment and management, and automation technologies using Terraform.
- Collaborated with Product Managers, Platform Leads, and Information Security teams, to design and implement cloud security solutions.

- Created CI/CD pipeline from scratch using Github Actions.
- Evaluated and responded to alerts and events from the security tools, including tuning of tool configuration to minimize false positives, development of event response documentation and processes for responding to follow for event actions.
- Implemented best security practices to protect data and assets.
- Identified, analyzed, and resolved infrastructure vulnerabilities and application deployment issues.

[Retailware Softech Pvt. Ltd.](#), Ahmednagar, India

Full Stack Web-Developer

May 2019 – January 2021

- Created full stack end-to-end web application, using code-igniter MVC framework based on Python for backend and HTML, CSS & JavaScript for frontend and MySQL for database
- Developed an E-commerce application using the MVC code-igniter framework
- Developed a CRM application using the MVC code-igniter framework
- Worked on Ionic4 for mobile app development
- Directed software design and development to meet client needs for functionality and performance.
- Supervised software life cycle from preliminary needs analysis to enterprise-wide deployment and support.

EDUCATION

M.Sc. (Computer Science)

University of Pune, India

B.Sc. (Computer Science)

University of Pune, India

TECHNOLOGIES

- Agile, Test-driven Deployment, Clean Coding
- Scripting Languages: Shell, Python, JavaScript, PHP
- Infrastructure as Code: Terraform, CDKTF
- Programming Languages: Kotlin, TypeScript, Angular, React, PHP, Ionic Framework, HTML and CSS, Java-script, Code-igniter (PHP), Python, Golang
- Version Control Tools: Git, Github
- Docker, Amazon Web Services (AWS)

- Kubernetes
- Databases: PostgreSQL, Aurora, DynamoDB, MySQL
- Operating Systems: Ubuntu, Linux, macOS
- Visualisation: Prometheus, Elastic Search, Argo CD, Kubernetes dashboard
- CICD: AWS Pipeline, Github Action

CERTIFICATIONS

- [AWS Solutions Architect - Associate](#)
- Auditing and Securing the Cloud at [Nullcon](#)
- Computer hardware and networking at Katariya Institute

SIDE PROJECTS

- [Toly Learn App](#)
Toly Learn is an English language learning solution that utilizes artificial intelligence. The platform features a voice assistant and speech recognition technology to effectively enhance speaking and listening abilities, expand vocabulary, and provide additional benefits to language learners
- [Shop Seva App](#)
This app helps users in small towns by providing local shop and service information, as well as local news. With just a few taps, users can access the contact details of various professionals, including electricians, plumbers, local grocery stores, etc. It includes a language change feature and a city-change feature for added convenience.

PUBLICATIONS

- [How to use tfsec](#)
- [Deleting all IAM roles in AWS account](#)
- [How an Attacker Could Gain Access to AWS Accounts \(and How to Stop Them\)](#)
- [Automating Infrastructure Deployment: A Step-by-Step Guide](#)

LANGUAGES

- English, Hindi, Marathi