

# Prateek Shetty

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## TECHNICAL EXPERIENCE

### DevOps Engineer

APR 2025 – Present

*EOX Vantage*

- **Architected & deployed AWS production infrastructure** using Terraform (VPC, ECS Fargate, RDS, Redis, S3, CloudFront, ALB/NLB, IAM) with standardized, reusable modules.
- Reduced S3 storage footprint by ~80 TB across multiple production buckets by suspending versioning, deleting stale non-current versions, correcting lifecycle gaps, and eliminating years of accidental log version retention — saving ~\$1500/month in AWS costs.
- Diagnosed and resolved complex AWS networking issues (ALB, target group health checks, security groups, container connectivity), reducing production downtime incidents.
- Implemented a reusable GitHub deployment template as a single source of truth, eliminating per-instance configuration files and reducing deployment setup time by 60% across dozens of environments.
- Centralized security headers (CSP, HSTS, CORS, X-Frame-Options) at the Ingress controller using templated manifests & GitHub Actions pipelines, eliminating per-application drift and improving audit compliance by 100%.

### Junior DevOps Engineer

AUG 2023 – MAR 2025

*EOX Vantage*

- **Kubernetes & Cloud Infrastructure** – Managed Amazon EKS clusters supporting 20+ microservices, improving deployment reliability and reducing incident resolution time by ~40%.
- **Logging & Monitoring** – Implemented centralized logging with Elasticsearch + Fleet agents across Kubernetes and EC2, improving troubleshooting speed by ~3x.
- **Security & SIEM** – Deployed and managed Wazuh SIEM for real-time threat detection, incident response, and security monitoring across multiple servers.
- **CI/CD Automation** – Led the transition to GitHub Actions, improving CI/CD workflows and integrating security automation such as ingress pipelines, automated security scans with Snyk and Semgrep, and real-time reporting.
- **Application Security & Testing** – Conducted DAST using OWASP ZAP, Burp Suite, sqlmap, and Metasploit, identifying and mitigating vulnerabilities in applications and infrastructure.
- **Security Scripting** – Automated vulnerability scanning (SQLi, XSS, OWASP Top 10) using Python/Bash, reducing manual security testing time by ~70%.

### Software Developer Intern / DevOps Intern

JAN 2023 – AUG 2023

*EOX Vantage*

- Performed regular pentesting (ZAP/Burp) identifying multiple security issues early in development.
- Implemented CI using CircleCI for production workloads and improved deployment reliability for internal apps.

## SKILLS

**Programming & Web:** Python, JavaScript, Go, SQL, Bash/Shell, React, Vue.js, Node.js, Flask, HTML5, CSS3

**DevOps & Infrastructure:** Docker, Kubernetes, Terraform, Git, GitHub Actions, Jenkins, CircleCI,

AWS Networking (subnets, routing, SG/NACLs, NAT/IGW, ALB/TG, container networking)

**AWS (Primary Services):** EC2, EKS, ECS Fargate, S3, CloudFront, RDS, IAM, VPC, ALB/NLB

**Security & Monitoring:** Wazuh SIEM, Elasticsearch, OWASP ZAP, Burp Suite, Metasploit, Snyk, Semgrep

**Databases:** MongoDB Atlas, PostgreSQL, MySQL

## EDUCATION

**B.Tech. in Computer Science and Engineering**, PES University, Bengaluru, Karnataka, India. AUG 2019—2023

## RELEVANT WORK

### PROJECTS:

- **‘PulseWatch’ - Cloud-Native Uptime Monitoring Platform.** (2025)
  - Built scalable Go-based monitoring tool with MongoDB Atlas integration for multi-site health tracking
  - Implemented configurable cron-based checks, RESTful APIs, and real-time dashboard capabilities
  - Designed extensible architecture supporting future integrations and Docker deployment
- **‘QueryForge’ – Local Hybrid RAG Platform.** (2025)
  - Architected a fully local Retrieval-Augmented Generation (RAG) stack with FastAPI backend and Open WebUI frontend
  - Integrated Ollama LLMs (Gemma, Mistral, etc) with DuckDuckGo live search and ChromaDB for vector storage
  - Containerized entire pipeline with Docker Compose, enabling one-command deployment of RAG service, vector DB, and WebUI pipelines
  - Delivered end-to-end query flow: user query → live web context retrieval → embedding in ChromaDB → LLM answer streaming back in WebUI
- **‘CreatiVision’ - AI Marketing Asset Generator.** (2024)
  - Developed full-stack AI application using Python Flask backend and Vue.js frontend for Google Cloud GenAI Hackathon
  - Integrated Google Gemini, Imagen, and Hugging Face APIs for automated banner/video generation from product images.
  - Deployed production-ready application on Render with robust error handling.

## LEADERSHIP/ACHIEVEMENTS

Outstanding Team Award, EOX Vantage	MAR 2025
Won the Outstanding Performer Award at EOX Vantage for my contributions	OCT 2024
Outstanding Team Award, EOX Vantage	MAY 2024
Winner of NetApp Hackathon from PES University	OCT 2022
One of the top 400 winners in Meta Global Hackathon out of 3000+ participants	SEP 2022
Cleared the qualification round of Google Code Jam	APR 2022

## PERSONAL INTERESTS

I love to play and watch football.  
An avid reader of novels, comics, and books in general.