

STEVE PATERSON BARETTO

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PROFESSIONAL SUMMARY

Computer Science and Engineering student graduating in 2027, with hands-on experience building and deploying production-grade cloud infrastructure on AWS and Azure. Completed 3 end-to-end projects spanning automated CI and CD pipelines, Docker-based application deployment, and infrastructure provisioning using Terraform and Ansible, reducing manual effort by up to 80 percent. Seeking an entry-level DevOps Engineer role to contribute to automation, system reliability, and operational efficiency.

WORK EXPERIENCE

Full DevOps Lifecycle Project on Azure · Personal Project 2026

github.com/stevebaretto68-igtm/my-devops-project | Python Flask · Docker · Terraform · Ansible · GitHub Actions · Azure VM · Azure Container Registry

- Built a production-grade CI/CD pipeline using GitHub Actions that reduced deployment time by ~70%, automatically building, pushing, and deploying Docker images to Azure VM on every code push.
- Provisioned 5+ Azure resources (VM, VNet, NSG, Public IP, ACR) using Terraform as Infrastructure as Code, cutting manual setup time by over 80% and enabling fully repeatable deployments.
- Automated Azure VM configuration using 3 Ansible playbooks to install Docker, manage dependencies, and set up the container runtime, achieving zero manual intervention across all deployments.

AWS DevOps Web Application · Personal Project 2026

github.com/stevebaretto68-igtm/aws-devops-web-application | AWS EC2 · RDS · S3 · ALB · CloudWatch · SNS · IAM · VPC

- Deployed a scalable web application across 2+ EC2 instances behind an Application Load Balancer inside a secure VPC, achieving high availability and eliminating single points of failure.
- Integrated Amazon RDS and S3 with IAM role-based access control, reducing direct credential exposure to zero and enforcing least-privilege security across all application components.
- Configured CloudWatch dashboards tracking 3+ key metrics (CPU, memory, network) with SNS alerts delivering automated email notifications within 60 seconds of threshold breaches.

Docker Compose Multi-Container Application · Personal Project 2026

github.com/stevebaretto68-igtm/docker-compose-app | Flask · PostgreSQL · Nginx · Docker Compose

- Built a production-style REST API with Flask and PostgreSQL across 3 orchestrated containers using Docker Compose, with Nginx as a reverse proxy ensuring the app server is never directly exposed to the internet.
- Implemented multi-stage Dockerfile builds that reduced final image size by ~60%, with container networking, named volumes for data persistence, and health checks ensuring zero-downtime restarts.
- Secured 100% of application credentials using environment variables via .env files, ensuring no secrets are hardcoded in source code or Docker images.

TECHNICAL SKILLS

Cloud Platforms	AWS (EC2, RDS, S3, VPC, IAM, ALB, CloudWatch, SNS), Microsoft Azure (VM, VNet, NSG, ACR)
DevOps & IaC	Terraform, Ansible, GitHub Actions (CI/CD), Bash scripting
Containers	Docker, Docker Compose, multi-stage builds, container networking
Programming	Python, Java, JavaScript, HTML/CSS
Version Control	Git, GitHub
Operating Systems	Linux (Ubuntu/CentOS)

EDUCATION

B.E. in Computer Science and Engineering · [St. Joseph Engineering College](#) Mangalore, Karnataka | Expected May 2027
CGPA: 8.26 / 10.0

- Relevant coursework: Operating Systems, Computer Networks, Cloud Computing, Database Management Systems, Software Engineering.

Pre-University Certificate (12th Grade) · [St. Aloysius Pre-University College](#) Mangalore | Completed 2023
Score: 85.83%

CERTIFICATIONS

Cloud Computing on AWS: Ultimate Beginners Course — Udemy	March 2026
DevOps Micro-Internship: Docker, Kubernetes & Cloud — Udemy	April 2026

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi, Kannada, Konkani
Interests: Travel, Cricket, Movies & Series