

SAIMA USMAN

Devops, AI & Cloud Engineer



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OBJECTIVE

Results-driven **AI-versed DevOps and Multi-Cloud Platform Engineer** with expertise in **cloud infrastructure, automation, and CI/CD**. Seeking to build **scalable, secure, resilient, and cost-efficient systems** while optimizing performance, driving cloud initiatives, and **delivering solutions** aligned with business objectives.

PROJECTS & LABS

#1. AI Study Buddy - AI Virtual Assistant

AI Study Buddy is a **Streamlit web app** that helps students study smarter using AI. You can chat with it, summarize your notes, and even take automatically generated quizzes, all powered by **Google's Gemini API**.

Overview of Tools & Modules

- **Python** and **Streamlit** for the interface.
- Google Genai library to connect to the **Gemini API**
- Python built-in modules, re & json.

See Live: <https://ai-study-buddy-new.streamlit.app>

#2. Weather Hub - Weather Telling App (Flask Web app)

Unlock the power of real-time weather forecasting with World Weather Hub, a beautifully designed, intelligent web application built to give you accurate global weather insights within seconds.

https://youtu.be/DqXydfCwO1M?si=f9Q4Hfc27iw9_wwE

Overview of Tools & Modules

Technology Behind the App:

- **Python + Flask** (Backend)
- **JavaScript Vanilla** (Frontend interactions)
- **OpenWeatherMap API** (Weather + Forecast data)
- **Geolocation API** (User location auto-detect)

#3: SecureGate AI - DevSecOps Security Decision Platform

SecureGate AI is an enterprise **DevSecOps security decision platform** that analyzes **CI/CD security scans**, calculates **risk scores**, **automates** deployment decisions, generates **reports**, sends **notifications**, visualizes **trends**, and provides **AI-assisted remediation guidance**.

What SecureGate AI Can Do:

Continuous Security Validation For CI/CD Pipelines.

Overview of Tools & Modules

This project uses widely adopted open-source and industry security tools including **FastAPI, React, PostgreSQL, Docker, GitLeaks, Semgrep, Trivy, SonarQube/SonarCloud, Prometheus, Grafana, Alertmanager, Ollama, and Gemma**.

<https://github.com/DevOps-Capstones/SecureGate-AI>

#4. DevOps AI Assistant - Ollama Offline AI Agent

A lightweight offline **CLI assistant** designed for **DevOps** engineers. This project runs a local large language model using **Ollama** and the **Phi-3** Mini model inside **Docker**, allowing users to interact with an **AI assistant** without relying on external cloud APIs.

<https://github.com/Saima-Devops/Offline-CLI-Agent-4-DevOps>

Tech Stack & Tools

This project is built using a modern DevOps + AI + Containerization stack, combining local LLM inference with automated CI/CD.

AI & LLM Runtime - Ollama

- Runs large language models locally inside a container.
- **Phi-3 Mini** - A fast and lightweight open-source model used for offline inference.

WORK EXPERIENCE

Currently working

Cloud Advisory, Oy
Remote

AI Assisted DevOps Intern - Remote

- Build **AI-assisted DevOps workflows** using Git, Linux, CI/CD, and Agentic AI tools.
- Implement Git hooks, AI-powered PR reviews, and **DevSecOps** security automation.
- Automate **Linux troubleshooting** and developer workflows using Claude Code Skills, Hooks, and Memory.

2019 - 2025

VCode Middle East
Dubai, UAE

Project Manager

- Managed end-to-end project delivery, ensuring alignment with business objectives and timelines
- Coordinated with cross-functional teams, including developers, operations, and stakeholders
- Monitored project progress, risks, and deliverables, ensuring successful execution
- Maintained documentation, reporting, and communication with internal and external stakeholders

2009 - 2010

Branex Technologies,
Karachi, Pakistan

Digital Content Creator

- Created and edited marketing content to promote products and services
- Conducted research to produce accurate, high-quality articles
- Proofread and refined content for grammar, clarity, and consistency
- Developed SEO-focused content and keywords to increase web traffic
- Updated website content and managed news-feed updates

AWARDS & CERTIFICATIONS

- **Python** Language Fundamentals by Harvard University
- **AWS Solution Architect Associate Exam** - Pursuing
- **DevOps + Multi Cloud** Engineering - HeroVired Virtual Education
- **5G & IoT**, Automation, AI & Machine Learning - by Ericsson Educate
- **Microsoft Azure AZ 900** - Pursuing
- Understanding **AI and LLMs** as a Network Engineer by Cisco U.
- Basic Fundamentals of **AI Intelligence** by Huawei
- Fundamentals of **Computer Networking** by Huawei
- Fundamentals of **Cloud Computing** by Huawei
- Agentic AI Workshop - **POC to Production on AWS** by BeSA Academy (AWS Partners) & **WhizLabs**.

(All Certificates are available on my Linkedin Awards Section)

EDUCATION

Recent Graduate 2026	Post Graduate Diploma in Cloud Architecture & DevOps
Hero Vired Virtual Education	Recently graduated with distinction from a Post Graduate Program in Cloud Architecture & DevOps , backed by hands-on experience in cloud services, Terraform, CI/CD, Docker , and Kubernetes , and the successful delivery of a production-grade capstone project .
2008 - 2010	Masters in Multimedia Systems
National College of Arts , Lahore, Pakistan	Completed a Master’s degree in Multimedia Arts from National College of Arts (NCA), Lahore, Pakistan, with a focus on multimedia design , digital content creation, and visual communication.
2000 - 2004	Bachelors in Computer Science
Grace Institute of Technology , Karachi, Pakistan	Graduated with a degree in Information Technology and Computer Science . Built Strong foundation in digital communication, programming, and emerging technologies.

TECHNICAL SKILLS

SOFT SKILLS

Cloud & DevOps: AWS, Microsoft Azure, VPC/VNet, EC2/VMs, Networking, IAM/RBAC, Storage, Databases, Monitoring & Observability, Cost Management, Security & Governance	• Fast Learner
Infrastructure as Code: Terraform, AWS CloudFormation	• Researcher
Containerization: Docker, Kubernetes, ECS/EKS	• Analytical Thinker
CI/CD Tools: Jenkins, GitHub Actions	• Technical Documentator
Monitoring & Logging: AWS CloudWatch, Prometheus, Grafana	• Team Collaborator
Scripting: Python, Bash	
Operating Systems: Linux (Ubuntu, Amazon Linux)	
Version Control: Git, GitHub	
Databases: MySQL, MongoDB (basic cloud deployment)	
AI: Prompt Engineering, Generative AI, Agentic AI, ChatGPT, Codex, Claude Code, Co-Pilot, Gemini & others	
Jira: Experience with Agile project management, backlog planning, sprint tracking, and issues management	
Agentic AI: Amazon Bedrock, AI Agents, Agent Workflows, MCP, Tool Calling, LLM Integration, RAG, AI POC-to-Production	

CLOUD DEPLOYMENT & CI/CD STRATEGY

AWS • Azure • Docker • Kubernetes • GitHub Actions • Jenkins • Terraform

I deploy 3-tier applications using **Docker** for local dev environments and **Kubernetes**-based platforms (Amazon **EKS**/Azure **AKS**) for production. Design and automate **CI/CD** workflows using **GitHub Actions** and **Jenkins** across build, testing, containerization, and deployment stages.

Infrastructure Provisioning & Monitoring

I provision and manage cloud infrastructure using **Terraform & Ansible**, and package and deploy Kubernetes applications using **Helm**. Implement application and infrastructure monitoring with **Prometheus** and visualize metrics, dashboards, and system health through **Grafana**.

DEVOPS MICRO INTERNSHIP WITH AGENTIC AI — HANDS-ON DEVOPS EXPERIENCE

Real Projects • Real Pipelines • Real-World Evidence

Delivered hands-on AWS/Azure DevOps projects using CI/CD, Docker, Kubernetes, Terraform, and Ansible to build and deploy cloud-native solutions. Applied **Claude Code** and Agentic AI to automate DevOps workflows, streamline development, and implement practical, deployment-ready solutions.

Projects Repository: <https://github.com/Saima-Devops/devops-micro-internship-pravinmishra>

PERSONAL DETAILS

Date of Birth: 23, June, 1982 • **Nationality:** Pakistani • **Current Residence:** Dubai, UAE • **Marital Status:** Married

REFERENCES

Available upon request