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PROFESSIONAL EXPERIENCE	<b>DevOps Intern   Mar 2025–May 2025</b>	
	303 Inc. <ul style="list-style-type: none"><li>Collaborated with development teams to streamline CI/CD pipelines using Jenkins and GitHub Actions.</li><li>Automated infrastructure deployments and configurations with Terraform and Ansible.</li><li>Monitored application performance and system health utilizing Prometheus and Grafana.</li></ul>	
EDUCATION	<b>University of Karachi   2022 – Present</b>	
	Bachelors in Software Engineering <ul style="list-style-type: none"><li>Programming Languages: Python</li><li>Version Control: Git &amp; GitHub</li><li>Operating Systems: Linux (Ubuntu), Shell Scripting</li><li>Software Development Lifecycle (SDLC)</li><li>Database Management: MySQL, MongoDB</li><li>Team Collaboration: Agile methods, group projects, presentations</li><li>Problem Solving: Debugging, optimization, critical thinking</li></ul>	
	<b>Govt. Degree Boys College Jahaur   2019–2021</b>	
	Pre-Engineering	
CERTIFICATES	<b>DevOps Master Class (Linux, Python, GitHub)</b> TrainWithShubham	<b>Linux: The Complete Guide</b> Udemy
	<b>Mastering AWS Serverless: Hands-On with Core AWS Services</b> Udemy	<b>VendoAWS Essentials: A Complete Beginner's Guider Relations   2030</b> Udemy
SKILLS	<b>AWS (EC2, S3, IAM, Lambda, VPC)</b>	<b>Kubernetes</b>
	<b>Linux &amp; Shell Scripting</b>	<b>Jenkins</b>
	<b>Python, Bash, YAML</b>	<b>Terraform</b>
	<b>Docker</b>	<b>Ansible</b>

## PROJECTS

### Automating Backups with Jenkins & rclone

Implemented a Scheduled Backup Automation that ensures critical files and databases are securely backed up without manual intervention.

#### Tech Stack:

- Jenkins – Automates the backup process
- rclone – Secure file transfer to cloud storage
- AWS S3 & Google Drive – Cloud backup storage
- Linux & Shell Scripting – For efficient execution

### Jenkins-Powered AI/ML Model Deployment Pipeline

Built a fully automated CI/CD pipeline for ML model deployment using Jenkins, Kubernetes, Docker, and Terraform.

#### Project Highlights:

End-to-End Automation: From model training to deployment in production CI/CD with Jenkins: Automates training, containerization & deployment Scalable Deployment: Using Kubernetes & AWS Monitoring & Logging: Prometheus & ELK Stack ensure smooth operations Infrastructure as Code: Terraform & Ansible for cloud provisioning

### Fully Automated CI/CD Pipeline for Microservices!

CI/CD pipeline that automates the entire development lifecycle for a microservices-based application. This project integrates modern DevOps tools to ensure seamless code quality checks, security scans, containerized deployment, and monitoring.

#### Tech Stack Used:

- Jenkins & GitHub Actions – Automating build & deployment
- Docker & Kubernetes – Containerizing & orchestrating microservices
- Nexus Repository – Storing & managing artifacts
- SonarQube & Trivy – Security & code quality scanning
- Prometheus & Grafana – Real-time monitoring & visualization

### AWS Serverless DevOps Project

Fully serverless web application with automated deployment using Infrastructure as Code (IaC) and CI/CD workflows.

#### Key Skills Applied:

- Serverless Computing
- API Management with API Gateway
- Infrastructure Automation with Terraform
- Seamless CI/CD Pipelines with GitHub Actions

### Automated Cloud Infrastructure with Terraform & Ansible!

I automated the deployment of AWS EC2 instances, security groups, and networking using Terraform, followed by seamless server configuration with Ansible. The result? A fully automated, reproducible cloud infrastructure!

#### Tech Stack & Tools Used:

- Terraform – Defined and provisioned cloud resources
- Ansible – Automated configuration of EC2 instances
- AWS EC2, VPC, Security Groups – Managed infrastructure
- Jenkins (CI/CD) – Automated deployment workflows

### Resource Manager – A comprehensive solution for real CPU monitoring and analysis!

A real-time CPU monitoring and analysis tool designed to help developers track system performance efficiently. This application provides live CPU usage visualizations, instant alerts for critical resource levels, historical trend analysis, and process-level tracking—all packed into a ready-to-deploy Docker container for seamless integration.