

# Ahmed Ghani

DevOps Cloud Engineering | Expertise in CI/CD Pipelines, AWS, Docker & Kubernetes | Automation & Infrastructure Enthusiast | Python | Micro Service Architecture | .NET Framework | GoLang  
+92 346 5330301 || [ghanideveloper@gmail.com](mailto:ghanideveloper@gmail.com) || [Ahmed Ghani](#)

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## Profile Info

As a DevOps and site reliability engineer with **4+ years** of experience in automation and improving cloud- based systems. Especially in AWS. Worked on several projects with great expertise working with a variety of **Red Hat, CentOS, Ubuntu**, for instance, and Debian. In addition, I have great experience in Linux System Administration besides Windows Server as well as. Created my CI/CD Pipeline, Code Build software configuration management (SCM), **docker** orchestration, **Kubernetes** autoscaling, and auto-healing by monitoring the tools **Prometheus, Datadog and Grafana**.

In Project, used in **Jenkins, Terraform, Ansible, Puppet, Chief, and CloudFormation**. Managed Python, bash, and PowerShell scripting languages. As a AWS experience covers a broad range of services like **EC2, VPC, EKS, ECS, RDS, S3, ROUTE 53, IAM, ELB, CLOUDWATCH, CLOUDTRAIL, AWS Glue, API Gateway, Lambda and DynamoDB**.

## Keyskill

- **DevOps Tools:** Jenkins, Git, GitLab, Docker, Kubernetes, EKS (Elastic Kubernetes Service), Ansible, Terraform, AWS web services (EC2, S3, RDS, Lambda, ECR, ECS, Fargate, Event Bridge, SNS), Cloud Formation.
- **Scripting Languages:** Bash, Python, PowerShell, GoLang, Groovy
- **Programming languages:** C#, C++
- **Operating Systems:** Linux System Administration (Ubuntu, CentOS), Windows Server
- **Version Control:** Git, GitLab, GitHub
- **Monitoring Tools:** Prometheus, Grafana
- **Continuous Integration and Continuous Deployment (CI/CD):** Jenkins, GitLab CI/CD, ArgoCD
- **Containerization:** Docker, Kubernetes, Helm Chart
- **Infrastructure as Code:** Terraform, Cloud Formation, Ansible
- **Cloud Platforms:** AWS

## Experience

### CloudQuick – Islamabad (Hybrid)

January,2023 - Present

#### DevOps Engineering

- Designed, Built and scalable data with Python and AWS services for certain effective data processing.
- Worked in cross-functional teams to prepare data for quality checks, transformation discussions in preparation for data preprocessing.
- Monitored and troubleshot data pipelines to optimize improvements in data accuracy, resolving issues.
- Utilized Jira to manage tasks, track progress and facilitate seamless collaboration within the team.
- Data flow diagrams, pipeline architectures and technical guides for data development processes
- File manipulation uses the **Golang script, Node js including** reading, writing, and multiple processing formats such as CSV, JSON, and Excel.
- Multiple databases, including MySQL, Postgres, and NoSQL, are used. AWS EKS and ECS clusters efficiently manage the high availability and scalability of containerized applications.
- Developed terraform modules for different cloud services in aws and also developed custom modules in terraform for application-specific configurations
- Monitoring real-time application performance tracking and issue resolution. Managed **CloudWatch** for sophisticated metrics and APM monitoring.
- Provided ongoing support for configuration management, ensuring all changes were tracked and deployed accurately across environments.
- In roles where security compliance for AWS infrastructure is critical, Test-driven development can ensure that security configurations align with compliance requirements, reducing vulnerabilities and enhancing system resilience
- Collaborated with development teams to troubleshoot deployment challenges and optimize infrastructure for seamless software releases.
- Demonstrated excellent written and verbal communication skills, effectively explaining technical concepts to non-technical stakeholders.

**Anventex Solution – Islamabad (Remotely)**  
**DevOps Engineering**

**February,2020 - December,2022**

- Successfully used a variety of AWS Cloud platform services, such as Auto Scaling, **CloudFront**, **IAM**, **EC2**, **VPC**, **EBS**, **AMI**, **SNS**, **RDS**, **CloudWatch**, **CloudTrail**, **CloudFormation**, and AWS Config.
- Demonstrated expertise with AWS CLI, automating backup processes for data storage to **S3 buckets** and **EBS**, and generating regularly AMIs as essential backups for production servers
- Used a variety of AWS services to build a solid infrastructure. Git, Jenkins, and the configuration management tool Ansible were hosted on EC2 instances, serving as virtual servers.
- Proactively set up alerts in the CloudWatch service to keep an eye on servers, and expertly used **CloudWatch** and **CloudTrail logs** to keep the system operating at peak efficiency and dependability..
- Develop and maintain Infrastructure as Code using Terraform and ansible, reduce deployment time by 30%.
- Collaborate with development teams to ensure smooth deployment and operation of applications.
- Led incident response and conducted root cause analysis, implementing measures to prevent issue recurrence.

**Anventex Solution – Islamabad**  
**DevOps Engineering**

**January,2019 - February,2020**

- Maintenance of Jenkins and **GitLab Ci/CD** pipelines, which I participated in and simplified deployment of Python microservices. Managed microservices Docker containerization and Kubernetes cluster which help to improve scalability and efficiency.
- Managed and configured Amazon Web Services infrastructure, which requires setting up **VPCs**, **S3 buckets**, and **EC2 instances**.
- Monitoring tools like **Prometheus** and **Grafana** to check health system Performance and identify troubleshoot issues.
- Before software development releases to collaborate with development teams to troubleshoot deployment issues and optimize infrastructure smoothness.
- In order to guarantee high system Performance availability, I took part in on-call rotations reacting to occurrences and fixing problem Solving.

**Other Experience**

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**Zaxt Solution – Islamabad**  
**wordpress development.**

**April,2016 - December,2020**

**Education**

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**University of Barani Institution of Information technology**

**September 2012 - October 2016**

**Major Course:** Object Oriented Programming, Data Structures, Algorithms, Advanced Programming, Design and Analysis of Algorithms, Databases, Data Mining, Network Computing, Cloud Computing, Databases, Machine Learning