

PHILOS BINIYAM

DevOps | CloudOps | SysAdmin | DBA

BASIC INFORMATION

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PROFESSIONAL SUMMARY

I'm a certified DevOps Engineer with a strong technical background honored with a BCompSc and MBA with a demonstrated history of working in the financial services industry, Possessing exceptional problem-solving and technical skills in system and database administration, DevOps platforms in private and public clouds. I've successfully solved technical and service delivery challenges in banks, Fintechs, and different enterprise-level businesses.

EDUCATION

BSC in Computer Science

University of Gondar

Sep 2012 - July 2016

BA in Accounting and Finance

Bahirdar University

Sep 2014 - Jun 2018

MBA

Leadstar College of Management and Leadership

Sep 2018 - Dec 2020

SKILLS

- Public Cloud (AWS, Azure, Digital Ocean, OCI)
- Private Cloud (OLVM, OVM, OpenStack, VMWare, Power VM, Proxmox)
- Infrastructure as Code (Terraform)
- Version Control (Git, GitLab, GitHub, Bitbucket)
- DevOps & ALM Tools (Tuleap, Ansible, JFrog, SonarQube, Jira, Mattermost)
- CI/CD (GitHub Actions, Jenkins, AWS CodeDeploy, Azure DevOps, GitLab CI/CD)
- Containerization & Orchestration (Docker, Docker Swarm, Docker Compose, Kubernetes, Helm, Argo CD)
- Linux (RHEL, CentOS, Ubuntu, Oracle Linux)
- Unix (Solaris, AIX)
- Windows Server (AD, GPO, Exchange, Lync / Skype for Business)
- Application Stack Management (OHS, Tomcat, JBoss, Apache, Nginx, WebLogic, IIS, WildFly, Traefik, Pound)
- DBMS (Oracle DB (CDB), MySQL, PostgreSQL, Microsoft SQL Server, MongoDB)
- Storage Solutions (NetApp, HP/HPE, ZFS, IBM)
- Network Administration (TCP/IP, DNS, DHCP, VPN, VLAN Management)
- Monitoring & Log Management (Nagios, OpManager, Zabbix, OEM, Prometheus, Grafana, Amazon CloudWatch, Azure Application Insights, ELK Stack)
- Scripting & Automation (Shell, Python, PowerShell)
- Load Balancers (HAProxy, OHS)

WORK EXPERIENCE

Senior DevOps Engineer

Aug 2023 – Present

Shega Media & Technology PLC

- Architect, implement, and manage robust CI/CD pipelines using Azure DevOps to automate the entire software life cycle from build and test to deployment and monitoring—ensuring rapid, reliable releases.
- Implementing robust security measures across Azure CI/CD pipelines, integrating tools for vulnerability scanning and static code analysis, resulting in enhanced application security and minimized risk of vulnerabilities in production.
- Operate and integrate advanced data and AI services, including Azure AI services and Data bricks work spaces, to support machine learning workflows and analytics.
- Build and manage data pipelines that feed into CI/CD processes for MLOps and analytics deployments.
- Design implemented and maintained secure, reusable DevOps pipelines for development teams aligning with application security standards.
- Regularly updating and patching systems to maintain security and performance.
- Monitoring system performance and proactively addressing potential issues.
- Worked with various teams to ensure that security is built into SDLC and all code is secure by design.
- Conducted regular security assessments and responded swiftly to any vulnerabilities.
- Took corrective actions to monitor and investigate security incidents and vulnerabilities in infrastructure.
- Participating in migrating apps from monolithic to micro services architecture.
- Performing continuous monitoring with Prometheus, Grafana and ELK.
- Implement and maintaining monitoring and alerting systems to ensure high availability and performance of critical applications, resulting in an ongoing reduction in mean time to detect and resolve incidents.
- Developing and executing disaster recovery plans, & regular backup.
- Develop and maintain advanced automation scripts using bash, Power Shell and python scripting to streamline system management, deployments, and operational tasks.

Lead DevOps Engineer (Hybrid)

Jun 2024 – Dec 2025

Arifpay Financial Technologies SC.

- Design, build, and maintain secure, efficient CI/CD pipelines using GitLab CI/CD to support rapid, reliable deployments across diverse environments and platforms.
- Architect, administer, and optimize infrastructure across public cloud (AWS/TeleCloud) and local systems. specialize in Kubernetes (k8s) and Docker for orchestrating containerized deployments and managing microservices
- Proficiently manage and optimize Microsoft Windows and Linux/Unix server environments, including networking, storage, and performance tuning to meet application demands.
- Integrate security at every layer (end-to-end), from code and container scanning in pipelines to hardening server OS and configuring cloud network security (VPC, SG, WAF).
- Lead the infrastructure team to achieve and maintain compliance standards such as **PCI DSS**.
- Process efficiency by developing advanced automation scripts and tools to eliminate manual toil across provisioning, deployment, and operational tasks.
- Expert in building and managing application environments using Docker, Docker Compose, and on premises Kubernetes cluster, ensuring consistency from development to production.
- Demonstrate expertise in infrastructure security by implementing secure configuration management techniques, access controls, encryption, and network segmentation in Linux, Docker, Kubernetes, Gitlab and other critical components, effectively mitigating potential security threats and safeguarding data privacy and integrity.
- Automating infrastructure provisioning/config with Terraform and Ansible
- Ensure high performance, availability, and security of critical database systems (MongoDB, PostgreSQL, MySQL) through proactive management, monitoring, and tuning.
- Regularly updating and patching systems to maintain security and performance.
- Manage infrastructure and deployment processes for a wide array of programming languages and frameworks, ensuring standardized, effective workflows.

DevOps Engineer (Remote)

Sep 25 - Jan 2026

Be'jae Solutions PLC

- Designed and implemented end-to-end AWS cloud infrastructure aligned with security, scalability, and high-availability best practices.
- Architected and managed **Amazon VPC** environments, including subnet design, route tables, Internet/NAT gateways, and security groups.
- Provisioned, configured, and maintained **Amazon EC2** instances with appropriate IAM roles, AMIs, and lifecycle management.
- Implemented and managed **IPsec VPN connectivity** between Payment provider and AWS env
- Deployed and administered **Amazon RDS** instances, including backup strategies, performance tuning, high availability, and disaster recovery configurations.
- Built and managed containerized workloads using **Amazon ECR** for image repositories and **Amazon ECS** for container orchestration.
- Implemented CI/CD-ready container workflows, ensuring secure image storage, versioning, and deployment automation.
- Led **cloud migration initiatives**, including assessment, planning, and execution of workloads migrated from AWS to the **Telecloud environment**.
- Implemented monitoring, logging, and alerting for cloud resources to ensure operational visibility and rapid incident response.
- Produced technical documentation covering architecture designs, configurations, and operational procedures.

Senior DevOps Engineer

Oct 2022 - Jun 2024

Arifpay Financial Technologies SC.

- Take ownership of the end-to-end DevOps cycle, including design and implementation
- Design and construct CI/CD pipelines utilizing GitLab CI/CD for diverse platforms.
- Enhance and automate processes through the utilization of scripting techniques.
- Proficiently utilize containerization technologies such as Docker and Docker Compose.
- Manage and administer Linux systems to ensure their optimal performance.
- Oversee the administration, management, and deployment of applications in both public cloud and local infrastructure.
- Effectively manage and administer database systems for seamless operation.
- Handle infrastructure and deployment requests across multiple programming languages while ensuring efficiency and effectiveness.

Senior DevOps Engineer (Hybrid)

Sep 2022 - Oct 2023

Excellerent Solution

- Design a version control strategy
- Managing application configuration and secrets
- Manage build infrastructure in d/t public clouds.
- Manage code quality and security policies
- Design and Implement a container build strategy
- Design and Implement a release strategy
- Improving and automates processes
- Install, Configure, Administer linux systems
- Administering and deploying applications in the cloud environment.
- Administering and manage Infra and deployment requests in various programming language.

Senior DevOps Engineer (Remote)

Dec 2021 - Dec 2025

Elnet Technology PLC

- Manage and lead complete DevOps cycle.
- Design and build ci/cd pipelines using GitLab ci/cd.
- Improving and automates processes
- Containerization Technology (Docker and Docker Compose)
- Administering Linux systems,

- Administering and deploying applications to the cloud (AWS & Digital Ocean) and local infra.
- Administering databases (MySQL, Postgres and Mongo DB)
- Administering and manage Infra and deployment requests in various programming language.

Senior System & Database Administrator

Jul 2021 – May 2023

ZamZam Bank SC.

- Proactively ensure the highest levels of the bank systems and infrastructure availability.
- Lead in developing and designing HLD and LLD database, systems and DC infrastructure architectures.
- Monitors and ensures databases are properly functioning, optimized, highly available, and secured.
- System and DB Optimizing and tuning for best performance.
- Linux, Unix, and Windows Systems platform administration.
- IBM storage and SAN Switch management.
- Design, Prepare and manage virtualization and containerizations.
- Oracle 19c(CDB), MySQL, Microsoft SQL Installation, Configuration, and Administration.
- Lead in setting and managing up the production, disaster recovery, and deployments in Linux, Unix, and Windows environments.
- Lead in designing, setting and implementing the over all database architecture of the organization including the fail over database administration.
- Implement end to end DevOps
- Assist in Oracle BI Report development and digital channel integrations.

System Administrator

Jun 2020 – Jul 2021

Wegagen Bank SC

- Proactively ensure the highest levels of the bank systems and infrastructure availability
- System Optimizing and tuning systems for best performance
- UNIX, Linux, and Windows System Administration
- Solaris, RHEL, and different Linux distros Administration- Server (SPARC T7, HP, DELL) & Storage (ZFS, HP) Administration
- Administer, monitor, and Deployment of core banking applications, E-banking applications, business insight applications and their supporting middle-ware, web server, application server, and LDOM environments in DC and DR environments.
- Active Directory, Microsoft Exchange administration, configuration, and support

DevOps and System Engineer

Jul 2019 – May 2020

Kifiya Financial Technology PLC

- Assist in the full implementation of DevOps system
- Improve CI/CD tooling (Jenkins)
- Implement monitoring and alerting tool (Nagios)
- Develop scripts to automation
- Linux and Windows Administration
- AD, Exchange, Lync Installation, configuration, and support
- Maintain security, backup, redundancy strategies and recover policies
- System Optimizing and tuning systems for best performance

System Engineer

May 2018 – May 2019

Kifiya Financial Technology PLC

- Lead the full implementation of private cloud using OVM
- Lead in configuring and managing storage system (NetApp)
- Design procedures for system troubleshooting and maintenance
- System Integration
- Linux and Windows system administration (RHEL, Centos, Ubuntu)
- Assist in maintaining the performance, integrity, and security of a database (MYSQL and Oracle)
- Maintain security, backup, redundancy strategies and recover policies

Junior System Engineer

Nov 2016 – Apr 2018

Kifiya Financial Technology PLC

- Providing First-Hand Support by handling Incidents, Events, changes, requests
- Analyzing root causes for incidents and handling Customer Requests
- Provide first-hand support in hardware, network, and employees IT request
- Participated in Configuring, Implementing, and supporting the following Existing Core L2 and L3 Physical Network
- Receiving and settling bills in oracle SQL developer.

CERTIFICATION

- Microsoft Certified Azure Fundamentals
- Oracle Infrastructure Foundations 2020 Certified Associate
- AWS Fundamentals: Going Cloud-Native
- ICSI | Certified Network Security Specialist (CNSS)
- Cloud Computing Applications, Part 1: Cloud System and Infrastructure
- Cloud Computing Applications, Part 2: Big Data and Applications in the Cloud
- Lenovo Certified Data Center Technical Sales Professional certificate
- Linux Server Management and Security
- Windows Server Management and Security
- Cisco CCNA Exploration: Network Fundamentals 1
- Introduction to NETAPP Products
- Computer maintenance and server-based networking
- Programming Mobile Applications for Android Handheld Systems: Part 1
- Advanced Styling with Responsive Design
- Interactivity with JavaScript
- Introduction to HTML
- Introduction to CSS

PROJECTS

Arifpay Projects

- Design and implement the end-to-end DevOps platform, focusing on automation, reliability, and developer experience to accelerate delivery.
- Architect and provision secure, scalable infrastructure for both Production and UAT environments, ensuring isolation, compliance, and repeatable deployments.
- Manage and optimize a platform processing over 3,000 transactions per second, ensuring high availability, performance, and resilience under load.
- Lead to achieve and maintain PCI DSS compliance across the entire stack. Own end-to-end server hardening, vulnerability management, and security baselines for all systems.
- Manage deployments in EKS and On premises K8s Cluster
- Configure and manage secure IPsec VPN tunnels to establish and maintain trusted network connectivity with external vendors and partners.
- Design, implement, and standardize robust CI/CD pipelines tailored for diverse technology stacks, ensuring consistent and automated software delivery.

Shega Projects

- Design the high-level architecture for the companies platform in Azure infrastructure, considering scalability, availability, and security requirements.
- Configuration of Azure Resources, Networks, NSG, Subnets, Routes
- Provision and Configuration of Azure ACR, Azure Storage, Azure Virtual Machines , Azure Databricks, Azure SQL, Azure AI and manage the subscription
- Configure CI/CD pipelines in Azure DevOps to automate the build and deployment processes.
- Migrations of DB and Web Apps.
- Deployment of monitoring and logging tools like Prometheus, Grafana, ELK stacks.

Freelance Projects

- Migration of static web application to Azure static web app and setup CI/CD with GitHub Action for automatic deployment
- AWS infra migration to another Entra ID
- End to end documentation of resources deployed on Azure Cloud.

Excellerent Projects

Client: E2E

- Manage pipeline and code security using veracode platform
- Create and Modify Azure CI/CD for automated build and deployment
- Dockerized .net and node js applications
- create pipelines to push image to container registry using azure tasks
- .writing powershell scripts for automation
- Setup Azure DevOps pipelines for build, test and release of applications
- Integration of SonarQube in azure pipeline
- Monitored App Service using built-in metrics (health check) and logs
- Database migrations
- Configuring monitoring and alerting using prometheus and grafana

Client: Aclohol101

- Design Infra and Create VPC, EC2 and RDS environments in AWS
- Implement CI/CD pipeline using code deploy for prod environments
- Implement GITHUB Actions CI/CD for Dev and Staging environments
- Maintain infra security and release plans

Elnet Projects

- Configure mail server using Zimbra for multi Domains
- Configure DevOps Pipelines for various platforms
- Design, configure and Maintain infrastructures for various platforms

ZamZam Bank Projects

- Designing's HLD for computing infrastructure and implement Compute Infrastructure Implementation using Power VM Core Banking compute and DB implementation
- ATM and Digital channel deployment and readiness
- Implementation of DevOps using GitLab
- Deployment of internal development Java, Angular, Flutter and PHP applications Deploying Monitoring system using OEM and Nagios

Wegagen Computing projects

- Deployment P2P transfer in USSD and Internet Banking using Weblogic

Kifiya Projects

- Design Kifiya Private Cloud Architecture (HLD) on-premises
- Design Kifiya Data Center DC/DR strategies
- Deploying Magneto Commerce application
- Infrastructure as a service (IaaS) using Open stack
- Backup/Restore strategies
- EFF (Ethiopian Foot ball federation stadium E-ticketing) infrastructure readiness
- YeneGuzo (Cross Regional Transport) infrastructure readiness
- Staging and Test Environments infrastructure readiness
- Installing and Administering Internal Service Projects (AD, DNS, Exchange, Proxy servers)