BLESSING OMOREGIE

DevOps Engineer | Quantitative Trading Developer

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PROFESSIONAL SUMMARY

Results-driven DevOps Engineer and Quantitative Trading Developer with proven expertise in cloud infrastructure, CI/C automation, and algorithmic trading systems. Demonstrated ability to reduce deployment times by 40% and improv system reliability through Infrastructure as Code and real-time monitoring. Combines technical DevOps skills wit quantitative finance knowledge to build systematic, data-driven trading strategies. Seeking roles in DevOps Engineerin or Quantitative Trading where I can leverage dual expertise to drive operational excellence and systematic alph generation.

TECHNICAL SKILLS

DevOps & Cloud: AWS (EC2, IAM, VPC, CloudFormation), Azure, Docker, Kubernetes, Terraform, Ansible, GitHub Actions, Jenkins, Prometheus, Grafana, Traefik, ELK Stack

Programming & Development: Python, JavaScript, Bash, SQL, FastAPI, React, Flask, RESTful APIs, OpenAPI/Swagger

Quantitative Finance: Algorithmic Trading, Machine Learning (XGBoost, scikit-learn), Technical Analysis, Risk Management, Backtesting, Strategy Development, MetaTrader 5

Tools & Databases: Git, GitHub, Linux/Unix, PostgreSQL, MySQL, SQLite, Slack/Telegram APIs

PROFESSIONAL EXPERIENCE

Junior DevOps Engineer Intern

January 2025 – April 202

HNG Tech

- Engineered Infrastructure as Code using Terraform and Ansible, enabling one-command deployments across development and production environments, reducing deployment complexity by 60%
- Built comprehensive CI/CD pipelines with GitHub Actions for FastAPI applications, reducing deployment time by 40% and enabling 15+ weekly deployments with zero-downtime strategies
- Deployed Prometheus and Grafana for real-time monitoring and alerting, achieving 30% reduction in deployment lea time through DORA metrics tracking and optimization
- Implemented Slack alerting system for critical infrastructure thresholds (CPU > 80%, service downtime), improving incident response time by 25%
- Containerized microservices using Docker and orchestrated with Kubernetes, improving system scalability and reliability with Traefik reverse proxy configuration

KEY PROJECTS

Nixie's Gold Trading Bot - Algorithmic Trading System

November 2025 – Preser

Personal Project | Quantitative Trading

- Developed sophisticated algorithmic trading system for gold (XAU/USD) achieving 65-75% win rate in backtesting through 6-factor confluence strategy combining technical analysis, smart money concepts, and machine learning
- Implemented multi-timeframe analysis system (H4 + M15) processing 500-1000 bars per timeframe with custom technical indicators including RSI divergence detection, liquidity sweep identification, and market regime classificatio
- Integrated XGBoost machine learning model for signal filtering, extracting 20+ features from price and indicator data, achieving 65% ML confidence threshold for signal acceptance
- Deployed production system to AWS EC2 with 24/7 uptime, automated restart mechanisms, comprehensive logging, health monitoring, and Telegram multi-user broadcasting platform supporting unlimited subscribers
- Developed dynamic position sizing and risk management system enforcing 1-2% risk per trade with multiple take-profit levels and minimum 1.5:1 risk-reward ratio
- Technologies: Python, MetaTrader 5, XGBoost, scikit-learn, Pandas, NumPy, AWS EC2, Telegram Bot API, PostgreSQL

FastAPI Microservices Platform

January 2025 – April 202

HNG Tech | DevOps & Cloud Infrastructure

- Architected containerized microservices platform managing 15+ services across multiple environments with consistent Infrastructure as Code deployment pipelines
- Implemented automated CI/CD workflows with GitHub Actions including testing, security scanning, building, and deployment verification stages
- Configured comprehensive monitoring dashboards with Prometheus and Grafana tracking system metrics, applicatio performance, and business KPIs
- Technologies: Docker, Kubernetes, Terraform, Ansible, GitHub Actions, Prometheus, Grafana, FastAPI, Traefik, PostgreSQL

Professional Portfolio Website

November 202

Personal Project | Full-Stack Development

- Built modern responsive portfolio with vanilla JavaScript, HTML5, and CSS3 achieving 95+ Lighthouse scores across all categories
- Implemented dark mode toggle with localStorage persistence, blog integration, and professional PDF resume download functionality
- Deployed to GitHub Pages with automatic updates on push, demonstrating proficiency in modern web development and deployment practices
- Technologies: JavaScript, HTML5, CSS3, GitHub Pages

EDUCATION

Bachelor of Science in Software Development

September 2024 – Preser

Brigham Young University - Idaho, Rexburg, ID

Bachelor of Science in Computer Science

September 2021 – Preser

University of Benin, Benin City, Nigeria

KEY ACHIEVEMENTS

- Reduced deployment lead time by 30% through CI/CD pipeline optimization and implementation of DORA metrics tracking
- Enabled 15+ weekly deployments with zero-downtime deployment strategies and automated rollback mechanisms
- Improved incident response time by 25% through implementation of automated monitoring, alerting, and runbook automation
- Developed algorithmic trading system achieving 65-75% win rate in backtesting across multiple market conditions
- Built production-grade cloud infrastructure supporting 24/7 operations with comprehensive monitoring and automated recovery