Omor Faruk

Senior DevOps Engineer | Fintech & Capital Markets · AWS · Kubernetes · CI/CD
Dhaka, Bangladesh

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Objective

DevOps Engineer with 7+ years in software engineering and hands-on experience building, automating, and operating cloud infrastructure on AWS. I provision infrastructure with Terraform, containerize services with Docker, and automate build, test, and release workflows with GitHub Actions, GitLab CI, and Jenkins.

My backend background in Node.js, NestJS, and Python lets me work closely with development teams, debug production issues end to end, and design deployment pipelines developers actually use. I also run a self-hosted Proxmox and Kubernetes lab to deepen my skills in orchestration, observability, & GitOps.

Technical Skills

DevOps & Infrastructure:

- **Cloud (AWS):** EC2, VPC, IAM, ALB, Auto Scaling Groups, ECS, ECR, RDS, S3, DynamoDB, CloudWatch, Secrets Manager, SQS/SNS
- **Containers & Orchestration:** Docker, Docker Compose, Kubernetes (Deployments, Services, Ingress, HPA, RBAC, Persistent Volumes), Helm & ArgoCD
- **Infrastructure as Code:** Terraform (modules, remote state, multi-environment), Ansible, Packer
- **CI/CD & GitOps:** GitHub Actions, GitLab CI/CD, Jenkins, Git branching strategies, GitOps fundamentals
- **Monitoring & Logging:** Prometheus, Grafana, Loki, ELK Stack, Node Exporter, Uptime Kuma, OpenTelemetry
- **Linux & Networking:** Ubuntu, systemd, Bash, Nginx, Apache2, TCP/IP, DNS, SSL/TLS, subnetting, NAT, security groups
- **Security:** IAM least privilege, secrets management, SSH key hardening, container image scanning
- **Virtualization & Registries:** Proxmox VE, KVM/QEMU, Vagrant, Amazon ECR, Harbor
- **Databases & Messaging:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Kafka, RabbitMQ
- **Programming & Backend:** Python, Go, Node.js, TypeScript, Bash; NestJS, FastAPI, Django, Express.js, REST, WebSockets

Employment History

JSK Group — Senior DevOps Engineer
Dates of Employment: July 2026 – Present · Motijheel, Dhaka, Bangladesh

- Own DevOps, infrastructure, deployment, and production operations for a stock-market Order Management System (OMS) supporting brokerage operations across DSE and CSE.
- Design and operate reliable microservice infrastructure for trading, FIX order routing, ITCH market-data processing, broker back-office integration, and client-facing applications.
- Automate end-to-end infrastructure provisioning and application deployment using Ansible, Docker, private container registries, and infrastructure-as-code practices across multiple broker environments.
- Manage controlled production releases with versioned deployments, pre-release validation, scheduled deployment windows, and automated rollback to minimize trading-hour risk.

- Maintain production monitoring and observability across servers, containers, applications, Kafka, APIs, and external endpoints using Prometheus, Grafana, Loki, Alloy, and uptime monitoring.
- Implement database backup, restore, retention, and disaster-recovery processes for critical PostgreSQL and MongoDB data, with defined operational recovery procedures.
- Strengthen infrastructure security through secrets management, network segmentation, firewall policies, restricted access, secure configuration, and controlled production changes.
- Manage network connectivity between OMS infrastructure, exchange gateways, market-data feeds, and broker back-office systems, including routing, reverse proxying, and domain-based service exposure.
- Maintain system availability during trading hours through proactive health checks, automated recovery, incident response, and operational runbooks.
- Collaborate with development, QA, and business teams to troubleshoot production incidents, improve system reliability, and maintain operational readiness for financial-market workloads.

Audacity IT Solutions Limited — Senior Full Stack Software Engineer
Dates of Employment: June 2025 – July 2026, Baridhara, Dhaka, Bangladesh

- Designed, developed, and maintained scalable full-stack applications using NestJS, TypeScript, and Next.js.
- Built secure REST APIs and implemented real-time communication systems using WebSockets.
- Managed backend infrastructure and cloud services using AWS, including EC2, VPC, Auto Scaling Groups, Load Balancers, and DynamoDB.
- Worked as a Junior DevOps Engineer alongside development responsibilities, supporting CI/CD pipelines, deployment automation, and infrastructure management.
- Configured Docker-based environments for development, testing, and production deployments.
- Assisted with infrastructure provisioning and cloud resource management using Terraform and AWS services.
- Monitored and optimized server performance, scalability, and deployment workflows in production environments.
- Collaborated with cross-functional teams to deliver reliable and production-ready software solutions.

BDtask Ltd. — Senior Software Engineer
Dates of Employment: January 2024 – May 2025, Khilkhat, Dhaka, Bangladesh

- Developed and maintained modern, scalable frontend applications using React.js, Next.js, and JavaScript/TypeScript.
- Built responsive, user-friendly, and high-performance web interfaces with a strong focus on UI/UX and frontend architecture.
- Collaborated closely with backend teams to integrate REST APIs and ensure seamless data flow across applications.
- Optimized frontend performance, improved application scalability, and enhanced overall user experience.
- Developed reusable components and maintained clean, modular, and maintainable codebases following industry best practices.
- Worked with frontend build tools, state management libraries, and modern development workflows to improve development efficiency.
- Participated in Agile development processes, collaborating with designers, developers, and stakeholders to deliver high-quality software solutions.

Contributed to code reviews, debugging, testing, and continuous improvement of frontend development standards within the team.

S Hoque International. — Senior Frontend Engineer
Dates of Employment: January 2021 – December 2023
Dhaka, Bangladesh

- Developed and maintained full-stack web applications using the **MERN** stack (MongoDB, Express.js, React.js, Node.js).
- Created dynamic, reusable UI components in React.js, enhancing performance and maintainability.
- Managed global and local state efficiently using **Redux** and **React Context API**.
- Built robust backend APIs with Node.js and Express.js, handling routing, middleware, and business logic.
- Designed and optimized NoSQL schemas in **MongoDB**, integrating with Mongoose for data modeling and validation.
- Implemented JWT-based authentication and role-based access control for secure user management.
- Integrated third-party APIs and handled asynchronous data flow using **axios** and native **fetch**.
- Ensured responsive and cross-browser compatible UIs using **Tailwind** CSS and **Bootstrap**.
- Participated in Agile development workflows, including sprint planning, daily standups, and code reviews.
- Deployed full-stack applications on platforms like Ubuntu Server using **PM2** and **Docker**.

Robert Bosch — MERN Stack Developer **(Remote job)**
Dates of Employment: January 2019–December 2020
Stuttgart, Germany

- Developed and maintained scalable web applications using **Node.js** and **React.js** in a microservice architecture.
- Handled complex **Node.js file system operations** to manage backend data and integrate with storage solutions.
- Designed and consumed **RESTful APIs**, ensuring consistent and secure communication between frontend and backend services.
- Optimized application performance and load times through **code splitting**, caching, and backend query tuning.
- Provided **technical leadership** within the team by mentoring junior developers, conducting code reviews, and establishing best practices.
- Maintained up-to-date knowledge of the **React ecosystem**, incorporating the latest tools and libraries like **Hooks**, **RTK Query**, and **React Router v6**.
- Contributed to CI/CD workflows and deployment strategies, including version control and automated testing pipelines.
- Collaborated with cross-functional teams in an Agile/Scrum environment, ensuring rapid and iterative delivery of product features.

Education: Barisal Information Technology College
Bachelor of Business Administration **(BBA)** Jan. 2016 - Mar. 2021

Courses:

- **Linex Server Management Administration (SEIP)**
- **The Ultimate DevOps Bootcamp - 2024 (Udemy)**
- **AWS Certified Solutions Architect - Associate + Terraform + CI/CD (CSL Training)**