

MATIUR RAHMAN MOZUMDAR

DevOps Engineer | Site Reliability & Cloud Infrastructure

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PROFESSIONAL SUMMARY

DevOps Engineer with 8+ years of software delivery experience and 3+ years focused on cloud infrastructure, CI/CD automation, and container orchestration. Skilled in building GitOps-driven Kubernetes deployments with ArgoCD and Helm, managing multi-service AWS environments through Terraform, and reducing infrastructure cost and deployment risk for production systems. AWS Certified Solutions Architect – Associate. Seeking a DevOps/SRE role to drive reliability, automation, and scalable infrastructure practices.

TECHNICAL SKILLS

- Cloud Platforms:** AWS (EC2, S3, RDS, ALB, IAM, VPC), Azure
- Containers & Orchestration:** Docker, Docker Compose, Kubernetes, Helm, Kustomize
- GitOps & CI/CD:** ArgoCD, GitLab CI, GitHub Actions, Jenkins
- Infrastructure as Code:** Terraform, Ansible
- Monitoring & Observability:** Prometheus, Grafana, ELK Stack, CloudWatch, Datadog
- Security & DevSecOps:** IAM & RBAC, HashiCorp Vault, Consul, Secrets Management, Security Hardening
- SRE Practices:** Incident Management, Root Cause Analysis, Site Reliability Engineering (SRE), On-Call Troubleshooting
- Networking:** TCP/IP, DNS, HTTP/HTTPS, VPC, SSL/TLS, Nginx, Load Balancers
- Scripting & Languages:** Bash, Shell, Python, PHP, Go, Java, C, C++
- Databases & Messaging:** MySQL, PostgreSQL, MongoDB, Oracle, ClickHouse, RabbitMQ, Redis
- Frameworks:** Laravel, Symfony, CakePHP, Codelgniter, Vue.js
- Version Control & Collaboration:** Git, GitHub, GitLab, Bitbucket, SVN, Slack, Trello, ClickUp
- APIs & Integration:** RESTful API Design, JWT & OAuth2 Authentication, WebSockets (ReactPHP), Firebase Cloud Messaging, Google Maps API
- Frontend & CMS:** HTML5, CSS3, Bootstrap, jQuery, AJAX, WordPress, LESS/SASS
- Development Tools:** PhpStorm, NetBeans, Visual Studio, MySQL Workbench, HeidiSQL

PROFESSIONAL EXPERIENCE

Assistant Manager – DevOps Bangla Trac Group	Oct 2023 – Present
- Design and maintain CI/CD pipelines to automate build, test, and release cycles, improving delivery speed and consistency across teams. - Reduced deployment time by 70% through automation of CI/CD pipelines using Jenkins and GitLab CI. - Implement and manage Infrastructure as Code (IaC) with Terraform to provision and version cloud resources. - Dockerize applications and deploy to Kubernetes using Helm and ArgoCD, enabling GitOps-based, auditable releases. - Manage 100+ Docker containers and 20+ EC2 instances across production and staging environments. - Drive cost-optimization initiatives across EC2, S3, and RDS, reducing monthly AWS spend by 30% through rightsizing and resource cleanup. - Monitor system performance and lead troubleshooting of production incidents, achieving 99.9% uptime for critical systems. - Partner with development teams on database migrations and application architecture, improving system reliability and reducing production incidents by 25%. - Embed security practices across the development lifecycle, including secrets management and access control. - Mentor junior engineers on DevOps best practices and lead cross-functional teams to align infrastructure decisions with business goals, improving deployment efficiency by 15%.	
Senior Software Engineer Bangla Trac Group	Mar 2021 – Sep 2023
- Utilized AWS cloud services and DevOps practices to streamline and secure application deployments. - Planned and delivered RESTful APIs with JWT-based authentication and authorization, securing 30+ endpoints against unauthorized access. - Developed and enhanced applications using the Laravel PHP framework, with front-end interfaces in Vue.js and jQuery. - Managed and streamlined MySQL databases, ensuring data integrity while reducing average query response time by 25%. - Deployed Firebase push notifications with secure communication and data handling, improving user re-engagement by 20%. - Hardened application security through environment configuration, secret management, and access controls.	

- Administered and scaled AWS cloud services to improve availability and reliability.
- Created and executed RESTful APIs for system integration and external communication, connecting 10+ partner systems.
- Incorporated GPS tracking devices with backend systems for real-time data processing.
- Engineered real-time communication features using PHP Sockets (ReactPHP), reducing message latency by 30%.
- Maintained and extended applications built with CakePHP, CodeIgniter, and Laravel.

- Developed 10+ applications following the MVC architectural pattern, integrating seamlessly with Oracle Database to support 500+ concurrent users.
- Improved application performance through refined database design and query tuning, cutting average page load time by 20%.
- Built responsive front-end interfaces using Bootstrap, jQuery, HTML5, and CSS3.
- Blended Google Maps and Firebase into the application to extend functionality and user experience.

- Collaborated on requirement analysis with stakeholders to define application behavior, user experience, and system design.
- Applied modular web solutions using the CodeIgniter PHP framework, following MVC principles to accelerate feature delivery.
- Structured and refined database schemas and queries, improving query performance by 30% and strengthening data integrity.
- Created responsive front-end interfaces to enhance usability and cross-device consistency.
- Debugged and resolved application issues through structured testing and code review.
- Documented technical specifications and coordinated with team members to ensure consistent coding standards.

- Translated business requirements into well-planned, user-centric web applications, delivering 15+ client projects through structured analysis and collaboration.
- Built and maintained backend functionality using the CakePHP framework.
- Crafted responsive, accessible front-end interfaces, improving usability and cross-browser compatibility across 5+ major browsers.
- Partnered on SQL database integration and optimization to ensure data integrity and performance.
- Delivered content-driven, customizable web solutions using WordPress.
- Participated in code reviews and testing cycles to maintain application quality prior to release.
- Provided ongoing maintenance and bug fixes for deployed applications based on client feedback.

KEY PROJECTS

- **Production Kubernetes Migration:** Migrated production workloads to Kubernetes with Docker and Helm, improving deployment consistency and scalability.
- **GitOps Implementation with ArgoCD:** Rolled out a GitOps workflow with ArgoCD for automated, auditable, rollback-ready deployments.
- **AWS Infrastructure Automation with Terraform:** Built modular Terraform configs to provision AWS resources (EC2, S3, RDS, VPC) as repeatable IaC.
- **Cloud Cost Optimization Initiative:** Rightsized EC2, S3, and RDS resources, cutting monthly AWS spend by 30% with no performance impact.
- **Disaster Recovery Implementation:** Designed a DR strategy for critical systems, improving backup reliability and recovery time.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- JLPT-N5 (Japanese Language Proficiency Test), Japanese Universities Alumni Association in Bangladesh (JUAAB)

EDUCATION

M.Sc in Computer Science	2014 – 2016
Jahangirnagar University	
B.Sc in Computer Science & Engineering	2010 – 2014
Bangladesh University of Business & Technology	

LANGUAGES

English | Bengali (Native) | Japanese (JLPT-N5)