Md. Abu Raihan Srabon

DevOps Engineer | Senior Software Engineer | Cloud & Automation Specialist
Dhaka, Bangladesh | Open to Remote/Global Opportunities
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Professional Summary

DevOps Engineer and Software Developer with 7+ years of experience in backend development, cloud infrastructure, and CI/CD automation. Demonstrated technical leadership in architecting highly available, scalable systems using Kubernetes, Docker, and GitHub Actions. Expert in building Internal Developer Platforms (IDPs), implementing observability with Grafana and Prometheus, and driving DevOps transformations that accelerate delivery and improve reliability.

Technical Skills

- **Programming Languages:** Java, JavaScript, Python
- **Frameworks:** Spring Boot
- **Architecture:** Domain Driven Design, Microservices, Client-Server, Event-Driven, CQRS, Serverless
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite, Redis
- **Cloud Platforms:** AWS (IAM, Lambda, EC2, S3, SNS, SQS), Oracle Cloud, BCC - NDC
- **Infrastructure:** Ansible, Kubernetes, Docker
- **CI/CD:** GitHub Actions, Jenkins, GitLab CI, Bash Scripting
- **Practices:** Agile (Scrum, Kanban), CI/CD, Bash Scripting
- **Tools**: Git, Prometheus, Grafana, WebSocket, REST, RabbitMQ, NodeJS, Jira
- **Competencies**: Growth Mindset, Analytical Thinking, Leadership, Creativity, Empathy and Observation

Certifications

- Advanced Certified Scrum Master (**A-CSM®**) – Scrum Alliance, 2025
- Advanced Certified Scrum Developer (**A-CSD®**) – Scrum Alliance, 2021
- Certified Scrum Master (**CSM®**) – Scrum Alliance, 2018
- Certified Scrum Developer (**CSD®**) – Scrum Alliance, 2018

Professional Experience

DevOps Specialist

Development Design Consultants Ltd. | Mar 2024 – Present

- **LARMS (Land Acquisition & Requisition Service | Land Ministry, Govt. of Bangladesh)**
  - Architected and maintained self-managed Kubernetes clusters on government-provided cloud VMs, ensuring a secure, scalable platform.
  - Built an Internal Developer Platform to provision dev/QA environments, accelerating feature testing and reducing setup time.
  - Spearheaded a DevOps transformation: designed GitOps workflows, CI/CD pipelines, automated code synchronization across remote repositories, and real-time alerting.
  - Provided 24/7 on-call support and root-cause analysis for production incidents, upholding 99.99% uptime for mission-critical services.
- **SRMS (ERP Module of DDC ERP)**
  - Led a team of 3–4 developers and cross-functional stakeholders to design and deliver an ERP solution architecture using microservices plus no-code/low-code components for rapid feature rollout.
  - Collaborated with business analysts and product owners to translate requirements into high-quality, on-time deliverables, ensuring alignment with organizational goals.
  - Deployed SRMS applications to UAT, staging, and production Kubernetes clusters, standardizing environment configurations and release processes.

- Implemented end-to-end CI/CD pipelines and GitOps automation, streamlining releases and enforcing consistency across all environments.

Senior Programmer / Team Lead

Synesis IT Ltd. | Jan 2021 – Feb 2024

- **Convay (WebRTC, XMPP, Spring Boot, React, Consul, Redis, Docker, Kubernetes)**
  - Led a team of 3–4 developers to architect and deploy an Internal Developer Platform, provisioning secure, autonomous testing environments and accelerating release cycles.
  - Directed R\&D and migration of legacy applications to Kubernetes-native, multi-cloud infrastructure, designing independent microservices for enhanced scalability and resilience.
  - Engineered end-to-end CI/CD pipelines with GitLab webhooks, Jenkins, Docker, and custom Bash/Python scripts to automate deployments across staging and test environments.
- **SMS Gateway Aggregator Platform (Spring Boot, RabbitMQ, MongoDB, MySQL, PHP, Docker, Nginx)**
  - Led a team of 3–4 developers in architecting a resilient SaaS microservices platform handling up to 100 TPS, serving 15+ organizations across government and banking sectors.
  - Designed an SMS handling layer supporting masked/unmasked messaging and full MNP compliance, integrating all four MNOs and global SMS providers.
  - Established automated CI/CD workflows with GitLab webhooks, Jenkins, and Docker, streamlining feature rollouts and minimizing deployment risk.
- **Contact Center (Angular, Spring Boot, RabbitMQ, WebSocket, MySQL NDB Cluster, Docker, Nginx)**
  - Managed a team of 4–5 developers to transform a monolithic contact-center product into microservices, boosting concurrent call capacity by 190% and achieving 99.99% uptime.
  - Developed a real-time dashboard using event-driven message queuing and WebSockets to surface live call-center metrics and operational status.
  - Implemented CI/CD pipelines with GitLab webhooks, Jenkins, and Docker for consistent, reliable deployments to staging and test environments.

Programmer

Synesis IT Ltd. | Sept 2017 – Jan 2021

- **CRM & E-Prescription Subsystems (Spring Boot, Asterisk, Vue.js, MySQL, Nginx)**
  - Architected and implemented the CRM and e-prescription modules as microservices, applying clear separation of concerns and modular design.
  - Established CI/CD pipelines, centralized logging, and monitoring to support 24/7 operations across 5+ call centers (200+ agents), sustaining 99.9% uptime.
  - Built a secure RESTful e-prescription delivery service—integrating with SMS gateways and mobile clients— serving 20+ million users with end-to-end encryption and retry logic.
- **16263 Data Visualization Dashboard (Laravel, Vue.js, MySQL, Nginx)**
  - Developed a high-performance dashboard with optimized SQL queries, advanced indexing, and WebSocket-driven real-time updates to surface live call-center metrics.
  - Integrated with legacy systems via a custom token-based validation layer to automate user provisioning and on-demand report generation.

Notable Technical Achievements:

- **Automated high-volume PDF processing** by developing a Python multi-threaded batch script handling 35k–40k files per run. Integrated Redis for duplicate prevention and MongoDB for structured storage, saving 400+ workdays and reducing processing costs by 98%.
- **Enhanced database performance** by identifying bottlenecks, optimizing complex queries, and implementing targeted indexing strategies—achieving up to 70% reduction in data load times and improving system responsiveness under heavy traffic.
- **Streamlined multi-cloud deployments** using Ansible for provisioning and Bash/Jenkins for CI/CD automation. Enabled fast, consistent environment setup across diverse cloud platforms, cutting manual deployment effort by over 90%.

Education

- **M.Sc. in Computer Science and Engineering (Data Science)**
  United International University | Dhaka, Bangladesh | Jan 2020 – Feb 2022

- **B.Sc. in Computer Science and Engineering**
  United International University | Dhaka, Bangladesh | Sept 2012 – Oct 2017

Languages

- English (Fluent Working Proficiency)
- Bangla (Native)