

Rahmat Ullah

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SKILLS

Languages: Java, C/C++, JavaScript (ES6+), Python, SQL

Technologies & Tools: Spring Boot, Node.js, Kafka, RabbitMQ, Apache Spark, AirFlow, Flink, gRPC, PostgreSQL, MongoDB, Redis, Snowflake Elasticsearch, AWS, GCP, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Prometheus, Grafana, OpenTelemetry, Jaeger, OAuth2, JWT, React.js, Next.js

EXPERIENCE

Software Engineer (Backend, Process Automation)

Uttara, Dhaka

Shothik AI

Jul, 2025 - 2026

- Built process automation pipelines using Selenium and Playwright for browser task automation
- Developed marketing automation workflows using n8n
- Designed backend microservices using Node.js
- Used Docker, Google Cloud Platform (GCP), and Redis for deployment and caching

Software Engineer

United Kingdom (Remote)

WebBang LTD (Full Stack Development)

Jul 2024 - 2025

- Developed backend features for automotive ECU tuning platform enabling secure car performance customization
- Implemented SMS gateway integration, significantly reducing communication costs
- Built secure file encryption and decryption pipelines for firmware handling
- Worked on modular backend architecture including controllers, middleware, and MongoDB models

Full Stack Developer

Dhaka (Remote)

Ai Tech Craft LTD

Dec 2023 - Jun 2024

- Built an AI tool directory platform to help users discover and manage AI applications
- Designed and implemented admin dashboards for managing tools, metadata, and content workflows
- Improved frontend performance by 35% through React optimization techniques
- Developed web scraping pipelines to extract and update dynamic platform content

PROJECTS

Cloud Native E-Commerce Platform | *Spring Boot, React, MySQL, Docker, Kubernetes, AWS*

- Developed RESTful APIs using Spring Boot and MySQL for product, order, and user management
- Implemented JWT and OAuth2 authentication for secure API access
- Containerized services with Docker and deployed applications on Kubernetes clusters
- Built responsive frontend interfaces using React, Next.js, Tailwind CSS, HTML, and JavaScript
- Automated deployments using Jenkins CI/CD pipelines and AWS infrastructure

Event-Driven Microservices System | *Kafka, RabbitMQ, Redis, Spring Boot, Docker*

- Implemented asynchronous communication using Kafka and RabbitMQ to decouple services
- Used Redis caching to reduce database load and improve response latency
- Integrated API Gateway and Config Server for centralized routing and configuration management
- Added WebSocket-based real-time notifications for live updates

Monitoring and Observability Stack | *Prometheus, Grafana, ELK Stack, New Relic*

- Set up centralized logging using Elasticsearch, Logstash, and Kibana
- Configured Prometheus and Grafana dashboards for application and infrastructure monitoring
- Integrated New Relic for APM-style tracing and performance monitoring
- Performed load and stress testing using JMeter

Infrastructure Automation Pipeline | *Terraform, AWS, Jenkins, Nginx*

- Provisioned AWS infrastructure using Terraform for repeatable deployments
- Configured Jenkins pipelines for automated build, test, and deployment workflows
- Used Nginx as reverse proxy and load balancer with HTTPS/TLS configuration
- Maintained code quality with SonarQube and Git/GitHub workflows

TECHNICAL SKILLS

Languages: Java, C/C++, JavaScript, SQL

Backend: Spring Boot, Node.js, Express.js, NestJs, REST APIs, WebSockets, OAuth2, JWT, Swagger/OpenAPI

Databases: MySQL, PostgreSQL, MongoDB, Redis, Elasticsearch, Cassandra, Pinecone, BigQuery

Messaging & Distributed Systems: Kafka, RabbitMQ, Microservices, Distributed Systems, API Gateway, Config Server

Data Engineering: Apache Spark, Apache Airflow, Flink, Snowflake, GCS

Machine Learning: NumPy, pandas, matplotlib

Cloud & DevOps: AWS, GCP, Docker, Kubernetes, Terraform, Jenkins, Github Actions, Linux, Nginx, Vercel, Hostinger

Testing & Quality: JUnit5, Mockito, JMeter, SonarQube, TestContainers, Postman

Monitoring & Observability: Prometheus, Grafana, Kibana, Logstash, Elasticsearch, New Relic

AI & Automation: RAG, n8n, Vector Databases

Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3

Core CS Fundamentals: Data Structures and Algorithms, Operating Systems, Computer Networks, OOP, SOLID Principles

EDUCATION

Munshiganj Polytechnic Institute (MunPoly)

Computer Science / Software Engineering

Bangladesh

2024 - Present