

SOLLYMANUL ISLAM

Principal / Staff Backend Engineer | Distributed Systems | Event-Driven Systems | Platform Engineering | Cloud-Native Architecture
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PROFILE

Principal/Staff-level Backend Engineer with 10+ years of experience designing distributed systems, event-driven architectures, and cloud-native platforms across IoT, enterprise SaaS, fintech, and healthcare domains. Specialized in Kafka, Spring Boot, Kubernetes, observability, and scalable data platforms, with strong hands-on architecture and technical leadership experience.

CORE STRENGTHS

- Distributed systems & Kafka platforms
- Cloud-native architecture & DevOps
- Observability, reliability & SLOs
- Architecture governance & mentoring

TECHNOLOGIES

Languages & Backend: Java, Kotlin, Python, TypeScript, Spring Boot, Vert.x, GraphQL, Node.js

Cloud & Infrastructure: AWS, Kubernetes, Docker, Terraform, ECS, OpenShift, ArgoCD, Airflow

Observability & CI/CD: OpenTelemetry, Grafana, Prometheus, Kibana, Datadog, New Relic, GitLab CI/CD, CircleCI

Testing & Build: JUnit, Mockito, Cucumber, Robot Framework, Gradle, Maven

Messaging & Streaming: Kafka, Kafka Streams, RabbitMQ, ActiveMQ, SQS/SNS

Data & Storage: PostgreSQL, MySQL, Redis, Elasticsearch, Snowflake, TimescaleDB, S3, Athena, Glue

AI & LLM: OpenAI GPT, Claude, Retrieval-Augmented Generation (RAG), Prompt Engineering, AI Agents

Frontend: ReactJS, Angular, JavaScript, jQuery, Backbone.js

EMPLOYMENT HISTORY

Expert Engineer | Senior Engineer - Redcare Pharmacy

Germany | Apr 2026 - Present

- Working in the Loyalty team on customer-facing backend platforms serving millions of customers across a large-scale e-commerce environment.
 - Contributing to gateway migration from Node.js to JVM-based technologies using Java, Spring Boot, Google Cloud, Kubernetes, and ArgoCD, with efficient AI-assisted engineering workflows.
- Tech:** Java, Spring Boot, Google Cloud, Kubernetes, ArgoCD, Node.js, AI-assisted engineering

Principal Engineer - KUGU Home GmbH

Berlin, Germany | Oct 2024 - Mar 2026

- Architected a high-scale IoT analytics platform using Kafka Streams and Spring Boot (Kotlin), processing millions of device events daily across thousands of properties.
 - Designed a multi-tenant identity and access platform using Keycloak with federated IdP integration and centralized authorization policies.
 - Established telemetry and analytics foundations for IoT diagnostics, search, and large-scale analytics using Kafka, Elasticsearch, S3/Parquet, Glue, and Athena.
 - Led backend architecture initiatives for scalable device monitoring, distributed event processing, and operational observability.
- Tech:** Kotlin, Spring Boot, Kafka Streams, Elasticsearch, AWS, S3, Athena, Glue, Keycloak

FactoryPal GmbH (Körber Group)

Berlin, Germany | Jun 2020 - Sep 2024

Progression: Staff Software Engineer (2024) | Software Architect (2023-2024) | Lead Software Engineer (2021-2022) | Senior Software Engineer (2020-2021)

- Led migration from monolithic systems to event-driven microservices using Spring Boot, Kotlin, Kafka, and GraphQL, reducing latency from seconds to milliseconds.
 - Architected unified ingestion platforms for IoT telemetry and enterprise integrations, reducing customer onboarding time by over 80%.
 - Standardized cloud infrastructure across ECS and Kubernetes using Terraform, ArgoCD, and GitOps practices, improving operational reliability and deployment consistency.
 - Established observability standards using OpenTelemetry, Prometheus, Grafana, and New Relic with SLA/SLO-driven monitoring and error-budget tracking.
 - Drove DDD-aligned architecture governance, RFC processes, mentoring, and cross-team technical strategy across engineering teams and parent-organization stakeholders.
 - Built scalable enterprise data pipelines using Kafka, Kinesis, S3, Glue, Athena, and Snowflake with schema evolution and automated data-quality enforcement.
- Tech:** Java, Kotlin, Spring Boot, Vert.x, Kafka, GraphQL, Terraform, Kubernetes, AWS, Snowflake, OpenTelemetry, Prometheus, Grafana

Java Developer - HeavenHR

Berlin, Germany | Sep 2019 - May 2020

- Modernized HR workflows with Spring Boot microservices for absence management, time management, and reporting, improving responsiveness under load.
- Improved search, caching, and operational visibility using Elasticsearch, Redis, and ELK-based monitoring.

Tech: Java, Spring Boot, Elasticsearch, Redis, ELK Stack

Senior Engineer - Ascend Corporation | TrueMoney

Bangkok, Thailand | May 2019 - Sep 2019

- Built high-throughput payment and onboarding services using Spring Boot, Spring Cloud, and RabbitMQ for scalable KYC flows.
- Delivered customer-facing onboarding workflows and improved system visibility through ReactJS, ELK monitoring, and automated testing.

Tech: Java, Spring Boot, RabbitMQ, ReactJS, Oracle, ELK Stack

Senior Software Engineer (Full Stack) - Augmedix, Inc.

Dhaka, Bangladesh | Jul 2015 - Apr 2019

- Migrated J2EE monoliths to Spring Boot microservices and introduced JWT authentication, improving reliability for high-concurrency real-time scribing sessions.
- Modernized frontend and notewriter systems from JavaScript/jQuery to Angular, building productivity features such as spell-check, macros, and auto-correction.
- Led engineering initiatives during hyper-growth, mentoring developers and improving architecture, RFC, and incident-management practices.

Tech: Java, Spring Boot, Angular, JavaScript, JWT, Microservices

Senior Software Engineer (Full Stack) - BRAC IT Services Limited

Dhaka, Bangladesh | Apr 2015 - Jul 2015

- Built secure banking onboarding workflows using ASP.NET MVC, C#, Bootstrap, JavaScript, and jQuery for high-volume local banking customers.
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Software Developer (Full Stack) - 20-20 Technologies Inc

Dhaka, Bangladesh | May 2013 - Mar 2015

- Developed full-stack features and integration services for global retail planning tools, including IKEA Kitchen Planner, using ASP.NET, C#, JavaScript, jQuery, and Backbone.js.

EDUCATION

Bachelor of Science in Computer Science & Engineering

National University - Dhaka, Bangladesh | 2006 - 2010