SHAKIBUL ISLAM

System Design | Cloud Infrastructure | DevOps Automation | Site Reliability

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Summary

Software Architect at Neumann Gruppe GmbH, Hamburg, with 9+ years of experience across **DevOps, CI/CD pipeline design, cloud infrastructure, and backend engineering**. In the last 3+ years, I have specialized in **building scalable cloud-native architectures** with **Azure, Kubernetes, Terraform, Docker, and Infrastructure as Code (IaC)**, enabling seamless automation and resilient deployment workflows. My 6+ years in **backend development with Java, Python, and microservices** strengthen my ability to design **high-performance APIs** and data-driven systems that integrate smoothly into modern infrastructure. I focus on **orchestrating DevOps transformations**, optimizing delivery pipelines, and bridging development and operations to deliver **secure, efficient, and future-ready platforms**.

Experience

Neumann Gruppe GmbH
Software Architect

Hamburg, Germany
03/2022 - Present

- **Led end-to-end delivery of large-scale features** on Azure cloud infrastructure, driving engineering roadmap decisions, sprint planning, and cross-team execution.
- **Introduced and standardized CI/CD** with Bitbucket and Azure DevOps, cutting deployment overhead by over 50%, and enabling faster releases.
- **Spearheaded security enhancements** by implementing OAuth2 authentication, role-based access control, audit logging, and ensuring compliance.
- **Deployed observability and monitoring solutions** (logging, metrics, and error tracking), reducing incident detection time by 60%+ and improving system reliability.
- **Conducted cloud architecture reviews and technical workshops**, mentoring teams and elevating expertise in DevOps, system design, and cloud-native practices.
- **Partnered with cross-functional teams and external vendors** to define technical standards, align architectural strategies, and ensure seamless system integration.
- **Optimized database schemas**; **refactored legacy code** to modernize design patterns, improve maintainability, and enhance system consistency.

Neumann Gruppe GmbH
Software Consultant

Dhaka, Bangladesh
09/2021 - 02/2022

- **Identified and resolved** performance bottlenecks, recommending refactoring approaches, and deployment automation that boosted maintainability and scalability.
- **Facilitated knowledge transfer sessions** to upskill internal engineering teams on modern architecture and DevOps best practices.

Field Information Solutions GmbH
Team Lead Engineer

Dhaka, Bangladesh
10/2019 - 08/2021

- **Led a team of 10 backend engineers**, overseeing requirement analysis, task breakdown, code reviews, and mentoring to drive team growth and unblock delivery.
- **Redesigned data syncing** service, reducing server connections by 25% and improving app sync time by 30% for a field app with 350+ daily active users.
- **Designed and managed AWS server infrastructure**, leveraging auto-scaling to boost availability from 96% to 99.5% while cutting costs by 15%.
- **Optimized report rendering** by implementing database partitioning and smart caching, improving dashboard and report load times by 80%.

Field Information Solutions GmbH
Senior Software Engineer

Dhaka, Bangladesh
10/2017 - 09/2019

- **Migrated custom product development to a SaaS-based model**, enabling new customer onboarding 60% faster than traditional custom-builds.
- **Built an in-house reporting tool** with a drag-and-drop query builder/executor, simplifying the generation of critical business metrics and reports.
- **Built a smart survey tool** with drag-and-drop support for 16 input types, reducing custom form development time by 90% and accelerating field data collection.

Field Information Solutions GmbH
Software Engineer

Dhaka, Bangladesh
10/2015 - 09/2017

- Among the first two backend engineers at the startup, **built the core system architecture** during the initial two years.
- **Developed a dynamic API consumption service** for Android app, reducing API integration time by 90%.
- **Implemented multi-language support** with client-side caching, boosting app loading speed by 70%.
- **Built an image quality optimization service**, cutting client-side data usage on inventory/sales screens by 80% and reducing load times by 80%.

Education

Bangladesh University of Engineering and Technology
Bachelor's Degree in Computer Science & Engineering with CGPA 3.57 out of 4.00

Dhaka, Bangladesh
05/2010 - 09/2015

Projects

E-commerce Delivery Manager

Dhaka, Bangladesh

- **Designed and delivered the entire backend system**, including regional team management, approval workflows, and real-time inventory and delivery tracking.
- **Enhanced delivery efficiency** by 30% and increased revenue insights significantly through intelligent agent assignment and dynamic reporting.

Skills

System Design · Microservice Backend · API Design · Infrastructure as Code · CI/CD · Observability & Monitoring · Azure Kubernetes Service · Azure Serverless Cloud · Azure Networking · SQL-NoSQL-Caching Database Optimization · Sprint Planning · Cross-Functional Collaboration · Team Management & Mentoring

Python · Java · JavaScript · Bash · Spring Boot · Django · NextJS · PostgreSQL · MySQL · MongoDB · CosmosDB · Redis · Bitbucket Pipelines · GitHub Actions · Docker · Kubernetes · Terraform · Bicep · Nginx · Azure DevOps · Azure Data Analytics Tools · Role-Based Access Control (RBAC) · Single Sign-On (SSO)

Languages

English Proficient ●●●●○   German Beginner ●○○○○   Bangla Native ●●●●●