

## PROFESSIONAL SUMMARY

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Product-centric software engineer with 4+ years of experience in designing and scaling systems used by millions. Adept at leading cross-functional engineering teams, modernizing legacy systems, and optimizing system performance. Also skilled at identifying bottlenecks and delivering scalable, cost-effective solutions aligned with business goals. Known for mentoring talent, driving technical direction, and solving complex technical challenges with a product-first mindset. Passionate about building resilient distributed systems that solve business problems and lead to profitability.

## WORK EXPERIENCE

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### Senior Software Engineer, Bkash Ltd.

May 2023 – Present | Dhaka, Bangladesh

- Led a large-scale modernization of the legacy payment infrastructure, boosting system performance by **500%** and reducing operational costs by **300%** through architectural improvements.
- Led microservices adoption using Spring Boot, AWS DynamoDB, Gin, and AWS AuroraDB, accelerating the features release cycle by **200%**.
- Managed and mentored a team of **10+** engineers, contributing to a **15%** improvement in team delivery velocity and a **30%** reduction in onboarding time for new joiners. Played a key role in hiring **20+** engineers and regularly presented technical updates and strategic proposals to the VP of Engineering.
- Initiated and delivered infrastructure and application-level improvements partnered with DevOps that increased system reliability by **1%** and reduced customer-facing errors by **2%**.

### Software Engineer II, Astha IT

March 2021 – May 2023 | Dhaka, Bangladesh

- Led the development of key modules in enterprise applications using .NET (C#), PostgreSQL, and Next.js, improving response times by **15%** and lowering infrastructure cost by **20–30%**.
- Led the end-to-end architecture and implementation of an application, taking it from **proof of concept** to **production**.
- Mentored **5+** junior engineers, leading to a **30%** improvement in code quality (measured by reduced review cycle time and fewer post-deployment issues). Facilitated regular code reviews and architecture sessions to foster clean coding practices, design thinking, and a culture of knowledge-sharing.
- Collaborated with stakeholders to translate complex business requirements into scalable solutions, reducing feature delivery time by **20%** and boosting maintainability as reflected by **25%** fewer technical debt tickets over two quarters.

## TECHNICAL SKILLS & TOOLS

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| • Languages      | : | Java, Golang, C#, C++, C, JavaScript, TypeScript, Python   |
| • Frameworks     | : | Spring Boot, Gin, .NET, React.js, Next.js, Angular, Django   |
| • Databases      | : | PostgreSQL, MySQL, AWS DynamoDB, Redis   |
| • Tools & DevOps | : | Git, GitHub/Bitbucket/GitLab, Docker, CI/CD, AWS, Kubernetes   |
| • Others         | : | Software Architecture, Distributed System Design, OOP Design Patterns, Apache Kafka, DSA, Clean Code, Reactive Programming |

## PROJECTS

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- **Bkash PGW:** Architected and developed a high-throughput payment gateway for bKash online merchants and customers that processes millions of transactions daily using Java, Spring Boot, AWS, and DynamoDB.
- **RLDataCoach:** While working at Astha IT, built an AI-powered analytics platform for Rocket League players, offering coaching insights based on in-game metrics using C# and PostgreSQL.
- **SumoSum:** Designed a forecasting engine for small to medium businesses to model cash flow and expenses based on user input.
- **Stripe Integration:** Engineered secure payment workflows with Stripe API in Spring Boot Webflux, integrated with a modular microservice backend.

## LEADERSHIP & IMPACT HIGHLIGHTS

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- **Team Builder:** Recruited, onboarded, and mentored engineers across multiple project teams, growing team capacity and resilience.
- **System Architect:** Designed and implemented resilient distributed microservice architectures handling high-throughput transactions.
- **Initiative Taker:** Took ownership of performance bottlenecks in the legacy system, leading to measurable business gains in terms of resiliency, performance, cost, and customer experience.
- **Problem Solver & Collaborator:** Regularly addressed complex, cross-service issues by collaborating with DevOps, QA, and product teams for rapid resolution.

## EDUCATION AND CERTIFICATIONS

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### B.Sc. in Computer Science & Engineering (CSE)

National University, Dhaka, Bangladesh | 2017–2021

CGPA: **3.51** out of 4.00.

## COMPETITIVE PROGRAMMING EXPERIENCE

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- Participated in **1** ACM ICPC (International Collegiate Programming Contest) Dhaka regional onsite contest.
- Participated in **2** NCPC (National Collegiate Programming) Contests.
- Participated in **10+** IUPC (Inter University Programming) Contests.
- Regularly solve problems on various online judges.

## ADDITIONAL INFORMATION

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- Awarded for hitting **1st** position in the merit list.
- **Champion** Intra University Programming contest.
- **Joint Secretary** of the “Programming Club of IST” committee.
- Write and share technical **blogs** to give back to the IT community.
- **Interests:** Reading, writing blogs, problem solving, teaching & mentoring.