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SAIFUL ISLAM RASEL

A Software Professional

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PROFESSIONAL SUMMARY

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

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

- 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

- **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

- **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

B.Sc. in **Computer Science & Engineering (CSE)**
National University, Dhaka, Bangladesh | 2017–2021
CGPA: **3.51** out of 4.00.

COMPETITIVE PROGRAMMING EXPERIENCE

- 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

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