

MD. ATIKUZZAMAN SHAKIL

Lead Software Engineer

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SUMMARY

With over 8 years of experience as a Software Engineer, I have a strong background in designing, developing, and deploying innovative software solutions. I specialize in backend development, team leadership, and solving complex technical challenges, consistently delivering high-quality products that exceed client expectations. Committed to continuous improvement, I focus on contributing positively to organizations by leveraging my skills and expertise in technology

EXPERIENCE

Lead Software Engineer

Red Dot Digital Ltd 10/2024 - Present Gulshan, Dhaka, Bangladesh

A company focusing on digital solutions

- Lead the development of a comprehensive platform utilizing Ruby on Rails, enhancing user engagement and streamlining services for both My Robi and My Airtel apps
- Implemented secure and efficient direct debit functionalities for Nagad and bKash, ensuring smooth and secure payment processing for end-users
- Designed and developed scalable microservices to handle critical features such as incoming call history and Value-Added Services (VAS) management, improving system performance
- Spearheading the development of backend microservices using Java and Spring Boot, focusing on creating highly available, scalable, and performant systems
- Leveraged Next.js for building server-side rendered applications and optimized front-end user experiences, improving page load times and interactivity
- Building and maintaining robust APIs using NestJS, contributing to the overall performance and modular architecture of the platform
- Integrated CI/CD pipelines for efficient deployment using Docker and Kubernetes, improving development workflow and release management

Senior Software Engineer

Red Dot Digital Ltd 11/2022 - 09/2024 Gulshan, Dhaka, Bangladesh

A company focusing on digital solutions

- Lead a team of software developers to design, develop, and implement MFS (Mobile Financial Services) and DFS (Digital Finance Service) projects using Java programming language
- Collaborate with cross-functional teams including product management, UX/UI, QA, and infrastructure to ensure timely and successful delivery of software projects
- Develop and maintain a roadmap for the MFS product line, including defining product features, user stories, and release plans
- Manage project timelines, resource allocation to ensure projects are delivered on time, within scope
- Conduct code reviews, implement software development best practices, and ensure software quality and security
- Develop and maintain strong relationships with internal stakeholders and external partners to drive collaboration and success

Senior Software Engineer

Reve Systems Ltd 04/2019 - 10/2022 Khilkhet, Dhaka, Bangladesh

A technology solutions company

- Design, develop, and implement complex software systems for various projects including Kloudtalk, Retail and Wholesale Billing
- Collaborate with cross-functional teams to gather requirements, define specifications, and develop innovative solutions
- Work with Java Struts, Vue JS, and Angular JS to build and maintain software systems that meet the needs of the organization and its clients
- Continuously explore and evaluate new technologies, frameworks, and tools to improve the efficiency and quality of software development processes

Backend Developer

TheSageBoard 11/2020 - 07/2022 TX, USA

A platform similar to StackOverflow and SageSEO Project

- Design, develop, and maintain the backend of TheSageBoard platform using Laravel, Vue JS, Nuxt JS, and AWS Lambda
- Collaborate with cross-functional teams to gather requirements, define specifications, and implement software solutions
- Develop and maintain RESTful APIs and web services to support front-end features and integrations with external services
- Implement authentication, authorization, and security features to ensure the protection of sensitive data
- Optimize database queries and schema design to improve system performance and scalability

KEY ACHIEVEMENTS



Innovative Project Leadership

Led and contributed to various high-impact projects including mobile finance services, digital finance services, Singleapp , BMS , EBS and corporate websites for top telecom companies, achieving high customer satisfaction and system efficiency

SKILLS

Java	Microservices	Ruby on Rails	
SpringBoot	Next.js	NestJS	Docker
Kubernetes	Vue.js	Angular	Laravel
AWS Lambda	REST	Express.js	
Google Firebase	GCP	Codelgniter	
Cordova	jQuery	PHP	JavaScript
Node.js	JQuery Mobile	PostgreSQL	
RDS	SQLite	Git	BitBucket
JIRA		AWS Services	
Postman	Asana	API Gateway	
S3		Material UI	Proxy
Gateway			

PROJECTS

Billing Management System - ROBI (BMS)

Redesigned the invoice pipeline to convert ~10 lakh XML invoices to PDF in ~1 hour (previously ~5 days).

- Throughput: ~1,000,000 PDFs/hour (~278/sec), down from ~120 hours → ~120x faster.
- Stable at scale with zero manual intervention; resumable and idempotent processing.
- Lower infra load and network cost via payload compression and batching.
- Kafka batching & partitioning, Compressed data passing , Redis caching & tokens , XML parser + iText7

Robi WIFI

Built a production Robi WiFi project with a modern JS stack, focusing on fast page loads, secure APIs, and smooth user flows.

- Designed Next.js app structure (routing, layouts, data fetching) and reusable UI components.
- Stable, secure API layer (NestJS) with auth, role-based access, and rate limiting.

Robi & Airtel Corporate Website

Development of a corporate website for Robi and Airtel with a focus on responsive design and integration of crucial services

- Led the front-end development of the corporate websites using Next.js and Material UI, ensuring responsive design and excellent user experience
- Designed the backend with Nest.js, developing a proxy server for efficient handling of user requests and integration with external APIs

EXPERIENCE

Backend Developer

Snaprefund 08/2022 - 12/2022 USA

Financial management tool for businesses

- Design, develop, and maintain the backend of SnapRefund platform, a financial management tool for businesses, using Express JS, Nuxt JS, Firebase, Google Cloud, Dwolla, and Plaid
- Develop and maintain RESTful APIs and web services to support front-end features and integrations with external services
- Implement authentication, authorization, and security features to ensure the protection of sensitive data

Junior Software Developer

Techvillage 12/2017 - 03/2019 Khilket, Dhaka, Bangladesh

A technology company focusing on software development

- Participate in the design, development, and maintenance of multiple projects including Verent, PayMoney, Insurance, and HRM using Laravel, CodeIgniter, Cordova, and jQuery Mobile
- Collaborate with senior developers and cross-functional teams to gather requirements, define specifications, and implement software solutions
- Develop and maintain RESTful APIs and web services to support front-end features and integrations with external services
- Continuously learn and improve skills and knowledge of software development practices, tools, and technologies

EDUCATION

BSC in Software Engineering

Daffodil International University, Dhaka 2013 - 2017 Dhaka

Higher Secondary Certificate

Police lines School and College 2010 - 2012 Rangpur

Secondary School Certificate

Gobindaganj Government High School 2009 - 2010 Gaibandha

PROJECTS

Emergency Balance Solution for Robi and Airtel (EBS)

Emergency Balance Solution allowing telecom clients to access emergency funds

- Developed scalable microservices to handle emergency balance functionalities and efficiently process customer requests
- Managed PostgreSQL database integrations for data management related to emergency balances
- Used Kafka for real-time communication between services, ensuring seamless functionality

Mobile Finance Service (MFS)

Mobile Finance Service enhancing payment and financial transaction capabilities for users

- Designed microservices for fund addition, bill payments, and QR code transactions
- Developed reporting tools and enhanced portal features for financial administrators
- Collaborative development with First Security Islamic Bank

Digital Finance Service (DFS) Project

Digital Finance Service providing comprehensive financial solutions and services

- Contributed to the development of core modules including fund transfer services and middleware integration
- Ensured seamless integration of notification services, enhancing user communication
- Developed customer portal with features like mobile recharge and statement viewing

KloudTalk

KloudTalk integrates various communication tools for streamlined business interaction

- Built a SaaS project with Java Spring Boot and Angular JS featuring communication tools for businesses
- Implemented functionalities such as IVR, call queue, and messaging for seamless business communications

SageSEO

SageSEO provides powerful SEO tools to enhance online presence

- Developed advanced SEO analytics and reporting tools using Laravel and Nuxt JS
- Integrated Google Analytics and AWS to enhance performance of the SaaS project

SnapRefund

SnapRefund manages and optimizes financial data and transactions

- Developed fintech solutions using Express and Nuxt JS, integrating Dwolla and Plaid APIs
- Facilitated secure and seamless financial transactions through innovative backend design

TheSageBoard

TheSageBoard is a knowledge-sharing platform for developers and tech enthusiasts

- Developed Q&A functionality similar to StackOverflow for community engagement
- Implemented features for users to share knowledge and gain reputation points

Cornerstone

Cornerstone provides a comprehensive insurance service platform

- Created an intuitive insurance platform with CodeIgniter for a variety of policies
- Ensured user-friendly experience for purchasing and managing insurance policies