

Sahiqur Rahman Tipu

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🔵 Experience

Total Experience : 3 Years

Software Engineer at [Hyper Systems Ltd](#)

July' 22 – Present (2 Years)

Project: [bKash Payment Gateway Integration](#)

Contributions & Responsibilities :

- => Enabled seamless integration for payment processing.
- => Implemented dynamic charging functionalities.
- => Facilitated bill payment capabilities.
- => Integrated services for microfinance institutions.
- => Achieved successful completion of over **900 integration**.
- => Designed & implemented the bKash IPN system, ensuring reliable & efficient real-time payment updates.
- => Led a team, providing direction, support, and ensuring project alignment with organizational goals.
- => Conducted thorough code reviews to maintain high standards of code quality & adherence to best practices.

Technologies: [TypeScript](#), [JavaScript](#), [Express Js](#), [PHP](#), [Laravel](#), [Postgresql](#), [MongoDB](#)

Project: [myRADAR](#)

Contributions & Responsibilities:

- => Played a crucial role in the backend development of the myRADAR system.
- => Integrated both prepaid & postpaid payment gateways, enhancing the payment processing capabilities of the system.
- => Developed & managed the campaign management module within myRADAR, facilitating efficient handling of marketing campaigns.
- => Implemented the integration for bill payment, streamlining the bill payment process.
- => Implemented user activity log to track & monitor user actions within the system.
- => Set up & managed cron jobs & scheduled tasks to automate routine processes and improve system efficiency.
- => Focused on designing efficient databases and optimizing queries to enhance overall system performance.
- => Developed functionalities for exporting & importing files in PDF and Excel formats, aiding in data management & reporting.
- => Enabled sending & receiving SMS, Email notifications.
- => Implemented push notifications for better user engagement.

Technologies: [JavaScript](#), [TypeScript](#), [Express Js](#), [PHP](#), [Laravel](#), [MongoDB](#), [Redis](#)

Project: [Remote Monitoring System \(RMS\)](#)

Contributions & Responsibilities:

- => Played a backend key role in the development and maintenance of the RMS.
- => Designed & developed a data parser for rectifier and battery management system (BMS) data from Original Equipment Manufacturers (OEMs).
- => Developed & designed the ticket and complaint management module.
- => Collaborated with clients to understand their requirements & ensured the delivery of solutions that met or exceeded their expectations.
- => Focused on database design & query optimization to enhance system performance and efficiency.

Technologies: [JavaScript](#), [TypeScript](#), [Express Js](#), [Postgresql](#), [Redis](#)

Project: Bangladesh Inland Water Transport Authority (BIWTA)

Contributions & Responsibilities:

- => Served as a backend developer for the Bangladesh Inland Water Transport Authority.
- => Integrated APIs from various third-party partners, enhancing the functionality and interoperability of the BIWTA system with external services.
- => Designed the database system to support the needs of BIWTA, ensuring efficient data storage & retrieval.
- => Conducted bug fixing to maintain the reliability and performance of the database system.

Technologies: [JavaScript](#), [TypeScript](#), [MongoDB](#), [Redis](#)

Software Engineer at [Colgis BD Ltd](#) (Remote)

Jan' 22 – June' 22 (6 Months)

Project: Warehouse Management System

Contributions & Responsibilities:

- => Acted as a backend developer, focusing on the development & deployment of various features.
- => Conducted bug fixing to maintain the reliability and performance of the database system.
- => Worked extensively with raw SQL queries to perform complex database operations and optimizations.

Technologies: [PHP](#), [Laravel](#), [jQuery](#), [Ajax](#), [Postgresql](#), [JavaScript](#)

Jr. Software Engineer at [CreatioSoft](#) (Remote)

July' 21 – Dec' 21 (6 Months)

Project: Find The Egg (Game)

Contributions & Responsibilities:

- => Authored comprehensive project workflows & documentation to ensure clarity and facilitate smooth project execution and maintenance.
- => Developed a robust admin dashboard & authentication system to manage user roles, permissions, and ensure secure access to the system.

Technologies: [JavaScript](#), [Node.js](#), [Socket.io](#), [MongoDB](#), [Redis](#)

Technical Skills

JavaScript	TypeScript	PHP
Go	Python	Node Js
Express js	Laravel	PostgreSQL
MongoDB	MySQL	Redis
Git	Github	Docker

Programming Skills


- **500+** problems solved in [HackerRank](#), [Uva](#), [Uri](#), [Codeforces](#)
- Earned gold badges in Problem Solving, C++, Python, 30 Days of Code & SQL
- Clear Concept about Object-Oriented Programming (OOP)
- Sound knowledge in DSA
- Good problem solving ability

Education

2015 – 2020	BSc (Engg.) in Information & Communication Technology (ICT) From Mawlana Bhashani Science and Technology University (MBSTU)
2012 – 2014	Higher Secondary School Certificate (HSC) From University Laboratory School and College, Dhaka, Bangladesh

● Profiles

 <https://www.linkedin.com/in/sahiqurrahmantipu/>

 <https://github.com/srtipu5>

● Top Projects

bKash Gateway

NMP Package : <https://www.npmjs.com/package/bkash-payment> (**Payment Gateway**)
<https://www.npmjs.com/package/bkash-dynamic-payment> (**Dynamic Charge**)

Gateway Package : <https://github.com/srtipu5/bKash-Payment-Gateway-Checkout-URL-Laravel>
<https://github.com/srtipu5/Laravel-bKash-dynamic-charging>
<https://github.com/srtipu5/PHP-bKash-Payment-Gateway>
<https://github.com/srtipu5/PHP-bKash-dynamic-charge>
<https://github.com/srtipu5/bKash-Webhook-Laravel>
<https://github.com/srtipu5/bKash-Webhook-Node-Js>

Authentication & authorization

OTP Verification Package : <https://www.npmjs.com/package/otp-armor>
JWT Package : <https://www.npmjs.com/package/@srtipu5/jwt-auth>

BCRC Project

Project Link : <https://bcrcbd.org/>

Project description : Developed a comprehensive thesis-based project using Laravel framework, PostgreSQL database, HTML & CSS. This project demonstrated proficiency in full-stack development, database management, and web design. Leveraged Laravel's robust features for efficient backend development, while ensuring seamless integration with PostgreSQL for data storage and retrieval. Designed and implemented user-friendly interfaces using HTML and CSS to enhance accessibility and user experience. This project showcases practical skills in software development, database administration, and web design acquired through academic research & hands-on application.