

# Hasan Mahmud Rhidoy

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## EXPERIENCE

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- **MoneyLion Inc. (NYSE: ML)** Kuala Lumpur, Malaysia  
*Sr. Software Engineer - Full-time* May 2024 - Now

MoneyLion is a prominent USA-based financial technology company established in 2013. Access mobile banking, personal finance tools, fast cash advances, and earn cashback rewards for extra funds when needed.

I have managed the full system lifecycle from design to deployment, delivering scalable, secure, and high-performance solutions focusing on automation, efficiency, and cloud best practices. Currently, we've few services that have to use **Go (Golang)**

- **Touch 'n Go [ePayment Products]** Kuala Lumpur, Malaysia  
*Sr. Software Developer - Contract* Jan 2023 - May 2024

### Work Area:

- **Touch 'n Go eWallet - ParkInsure Application:** I led the design and development of client-centric APIs at TNG ParkInsure, ensuring top-notch code quality and seamless deployments. Utilizing technologies such as *Go (Golang)*, *Microservice*, *MySQL*, *Redis*, *RabbitMQ*, *Docker*, and *JavaScript(ReactJS)*, I extended the insurance/takaful coverage to standard motor insurance at TNG-enabled parking sites. My role focused on optimizing the Personal Accident (PA) insurance plan by integrating it with cutting-edge technologies for enhanced functionality and user experience.
- **Touch 'n Go eWallet - Multi-Lane Free Flow (MLFF) Application:** Contributed to MLFF, designing and implementing software solutions for seamless and unrestricted toll collection, improving overall highway user experience. Leveraged *Java(Spring Boot, Spring Cloud)*, *Microservice*, *MySQL*, *Redis*, *Apache Kafka*, *Docker*, and *JavaScript(ReactJS)* technologies to achieve project goals effectively.
- **Touch 'n Go eWallet - JD Logistics Supply Chain Application:** At JD Logistics and TnG, led software design and implementation initiatives to improve user experience and system efficiency for diverse industries. Expertise includes *Go (Golang)*, *Microservice*, *Microsoft SQL Server*, *Redis*, *RabbitMQ*, *Docker*, and *JavaScript(ReactJS)*.

- **BRAC IT Services [Fintech Products]** Dhaka, Bangladesh  
*Software Engineer - Full-time* Feb 2021 - Dec 2022

### Work Area:

- **BRAC Bank Limited - RTGS (Real Time Gross Settlement) Application:** As an RTGS application developer, specialized in crafting real-time transaction processing software for large financial institutions for Bank to Bank money transfer. Proficient in *Java(Spring Boot, Spring Cloud, Spring Batch)*, *Microservice*, *Oracle*, *Redis*, *RabbitMQ*, *Docker*, *Payment Gateway*, and *JavaScript(ReactJS)*
- **BRAC Bank Limited - Electricity Bill Payment Application:** As a developer for a Bill Payment System, my expertise lies in designing and building secure, reliable, and efficient software solutions for processing payments. Expertise includes *Java(Spring Boot, Spring Cloud, Spring Batch)*, *Microservice*, *Oracle*, *Redis*, *RabbitMQ*, *Docker*, *Payment Gateway*, and *JavaScript(ReactJS)*

- **Business Accelerate BD Ltd.** Dhaka, Bangladesh  
*Software Engineer - Full-time* June 2019 - Feb 2021

- **[Robi Axiata Limited, BD] Sales Tracking Application:** As a developer of the Smart Sales Tracking Application, We designed and developed a system that allows the tracking of SIM and Scratch Card sales. The application provides features for managing sales data, inventory levels, and generating reports. It enables users to view real-time data, track sales performance, and manage stock levels efficiently. Technologies: *Java (Spring Boot)*, *JavaScript(React)*, *PostgreSQL*, *Redis*, *RabbitMQ*, *Mockito (Unit testing)*, *Microservice(Spring Cloud)*, *Git*, *Docker*, *JPA-Hibernate*

## TRAINING SKILLS

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- **eShikhon.com** Dhaka, Bangladesh  
◦ *Programming Instructor* March 2022 - till  
\* Conducting a live cohort-based course to teach **Java and Python Programming, Problem-solving, Database Engineering, and Web Development** to university students and industry professionals.  
[Course Link]
- **Innovative Skills** Dhaka, Bangladesh  
◦ *Programming Instructor* Jan 2023 - till  
\* Conducting a live cohort-based course to teach **System Design for Software Developer and Data Structure and Algorithm with Leetcode Exercise**

## SOFTWARE DEVELOPMENT SKILLS

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- **Programming Languages:** Go (Golang), Java, JavaScript, Python
- **Frameworks and Libraries:** Concurrency (Goroutines, Channels, Select), Dependency Management (go mod), Performance Optimization (pprof), Reactive programming
- **Storage:** SQL Server, Oracle, MySQL, PostgreSQL and NoSQL (Redis, MongoDB) **Web Server:** NGINX
- **DevOps:** Docker, Kubernetes, **AWS (EC2, Lambda, S3, EBS, RDS (MySQL, PostgreSQL), DynamoDB, OpenSearch, SQS, IAM, etc)** and Jenkins
- **Tools:** Git, Message Broker(RabbitMQ, **Apache Kafka**), WebHook(Segment), Web Service API (SOAP, RESTful API, GraphQL), Dependency Management (Maven and Gradle), JIRA, Agile Methodologies
- **Software Architecture:** *Microservices Architecture*, Event-Driven Architecture

## EDUCATION

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- **Xiamen University** Malaysia  
◦ *Master of Science in Computer Science and Technology* Feb. 2025 – till
- **University of Asia Pacific** Dhaka, Bangladesh  
◦ *Bachelor of Science in Computer Science; GPA: 3.55/4.00* April. 2015 – April. 2019  
**Thesis:** “A Machine Learning Based Approach for Diabetes Detection and Care in Bangladesh”, Gyancity Journal of Engineering and Technology, Vol.4, No.2, pp.21-28, July 2018 ISSN: 2456-0065 DOI: 10.21058/gjet.2018.42003. (Denmark)

## ACHIEVEMENTS

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- **Programming Contest Achievements:** 2017, 2015 ACM ICPC Dhaka Region (**Honorable Mention**), 2016 National Collegiate Programming Contest, Dhaka (**Honorable Mention**), 2015 Intra Programming Contest (**Secure 7th Position**), Participated in **10+ onsite** programming contest and **solved more than 1000 problems** in several online judge.
- **Hackathon Competition:** 2018 Inter University Software and Hardware Carnival (**1st Runner-up**), 2017 Inter CSE Carnival (**4th Position**)