MD. MISBAUDDIN CHOWDHURY (SHAHAN)

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PERSONAL STATEMENT

As a dedicated full-time software engineer with a B.Sc. in Computer Science and Engineering, I bring expertise in both front-end and back-end development, equally mastering Object-Oriented Programming. With a proven track record of collaborating on over 50 projects for multiple companies, I understand the value of well-rounded development. I'm committed to not just meeting but surpassing client expectations, making client satisfaction my top priority.

PROFESSIONAL EXPERIENCE

Software Engineer – Fulltime
Turing| United States
Sept 2024 – July 2025

- o Initially worked as React/Node Software Engineer to work closely with AI APIs (e.g., Gemini) to fine-tune prompt engineering strategies for reliable code generation.
- o Collaborated with cross-functional teams to enhance the integration between AI-generated outputs and manual testing infrastructure.
- o Eveluted the accuracy and robustness of AI-generated code by executing test suites against expected outcomes.
- o Lead a cross-functional POD focused on validating AI-generated code solution through systematic prompt engineering and automated testing.

Tools: JavaScript, Python, React, NodeJS, VueJS

Full Stack Engineer – Fulltime
HThree Technologies | Singapore
Jan 2022 – July 2023

- o Developed multiple web application named SEDA, Petronas, ISSV for monitoring power consumption, petroleum management etc.
- o Improved performance by 90% on viewing day to day report.
- o Implemented device connection with the software to record all reading of power consumption

Tools: Node.js, Express, Docker, MongoDB, AWS, React, Redux

Senior Software Engineer - Fulltime
ConstrucShare | Singapore
May 2022 – January 2023

- o Developed a web application that streamlined the buying and selling processes of construction equipment, resulting in a **20% increase in user transactions** within the first quarter of launch.
- o Spearheaded the redesign of the system's architecture, leading to an **impressive 80% improvement in application performance**, as measured by reduced load times and increased responsiveness.
- o Implemented Docker containerization and established an efficient code pipeline on GitHub, which reduced development and deployment times by **40%, resulting in faster feature delivery** and higher team productivity.

Tools: Node.js, Express, Docker, MongoDB, FCM, Socket.IO, AWS, React, Redux

Frontend Engineer - Fulltime
Kargo Tech | Indonesia
July 2021 – May 2022

- o Co-operate with SMEs cross-functional teams to develop a shipment management system for a B2B trucking platform, translating business requirements into technical plans and ensuring seamless integration.
- o Worked closely with the mobile application development team to align **shipper**, **driver**, and **transporter** mobile applications with user needs.
- o Played a pivotal role at Kargo Tech, actively engaging in project planning, coding, testing, and deployment phases. This involvement led to a **20% reduction in project delivery timelines** and a **30% improvement in project success rates**. Additionally, contributed to enhancing overall team productivity through team retrospectives.

Tools: React, GraphQL, Redux, React Native, FCM, Jira, Docker, AWS, Google Map API, TypeScript, Confluence, Microsoft Team, Figma, GitHub

Frontend Engineer – Part-time
Digital Health 360 | Nigeria

August 2021 – February 2022

- o Join with a cross-functional team to create a comprehensive hospital management platform.
- o Contributed to the development of an insurance feature that allowed the company to assign registered patients to specific hospitals based on eligibility criteria.
- o Designed and implemented a feature enabling patients to conveniently check their insurance eligibility status.
- o Optimized user experience by reducing bundle size by 50% and load times through the implementation of React code splitting and lazy loading techniques.
- o Enhanced platform performance by 80% and SEO rankings through the incorporation of SEO-friendly tags and strategies.

Tools: React, Redux, Leaflet JS, Jira, GitHub, GitHub Action Runners

Frontend Engineer – Part-time
eScienta - OaMetrix | Didcot, UK
August 2021 – February 2022

- o Designed from scratch and led frontend team to build the features.
- o Maintained Great **React Design Pattern** frontend architecture that another team member can easily collaborate which improved **development by 80%**

Tools: React, Redux, Leaflet JS, Jira, GitHub, GitHub Action Runners

Software Engineer & Tech Lead - Fulltime
EzCrops Inc | Ontario, Canada
April 2018 –March 2020

- o Conceptualized and created a social platform that facilitated seamless interactions between business owners and sellers. This initiative **increased user engagement by 40%**, leading to a larger user base and a **20% growth in daily active users**.
- o Collaborated with multidisciplinary teams to gather requirements, design user-friendly interfaces, and ensure a smooth user experience. These efforts resulted in a **25% reduction in user onboarding time**
- o Led the design and development efforts of a B2B ecommerce platform tailored to wholesalers for the buying and selling of commodities.
- o Implemented features such as user authentication, product listings, secure payment processing, and order management.
- o Spearheaded efforts to optimize both frontend and backend performance, resulting in an outstanding 85% improvement. This initiative **reduced server response times by 50%** and **enhanced overall system stability by 30%**.
- o Conducted comprehensive code reviews, identified performance bottlenecks, and implemented efficient solutions. These measures **increased website reliability**, leading to a **15% decrease in reported errors**.
- o Worked with the development team to streamline database queries, improve code efficiency, and reduce server response times. These collaborative efforts resulted in a **25% faster data retrieval process**, contributing to a smoother user experience.

Tools: React, Redux, NextJS, Apollo GraphQL Client, Apollo GraphQL Server, MySQL, Sequalizer, AWS Lamda, AWS EC2, AWS S3, Docker, Elastic IP, AWS CloudFront, TypeScript

PROJECTS ▬▬▬▬▬▬▬▬▬▬▬▬▬▬ ■

Bridal Network - *Web Directory for Photography, Videography, and Event Management* **(Aug 2019)**
bridalnetwork.co – Promo Video: https://youtu.be/EknaU9w82t0?si=p7zfc5I4IYDjakN-
Tools: NodeJS, React, Redux, MongoDB Database

Project Overview: Built a comprehensive web directory, encompassing services for locating photographers, videographers, and event management teams. The platform features a chat functionality for direct communication, a masonry gallery for showcasing portfolios, report generation capabilities, and a lead collection system.

Technical Contributions: Built the NodeJS server to handle backend operations and data management.
Built the frontend interface, ensuring a user-friendly experience for visitors.
Created Android and iOS applications, expanding accessibility across multiple platforms.

Slashit - *Nigeria-Based "Buy Now, Pay Later" Payment Gateway* **(May 2020)**
slashit.me – Promo Video: https://youtu.be/KcQWwj1c3yc?si=hJnwL92AVYkRZlnV
Tools: Node.js, React.js, Flutter, Redux, GraphQL, MongoDB, Docker, AWS, WebSocket

Project Overview: Successfully crafted a payment gateway system tailored for Nigerian businesses, emphasizing the "Buy Now, Pay Later" concept. This encompassed the creation of a web application and a hybrid mobile application to cater to diverse user needs.

YellowCarte - *Restaurant Ordering System* **(February 2021)**
app.yellowcarte.com - Promo Video: https://youtu.be/dcBrib2pTWY?si=vPWWyHkTMKs_zGV-
Tools: NodeJS, React, Redux, GraphQL, MongoDB Database

Project Overview: Created an efficient restaurant ordering system that significantly reduces the time required to call a waiter for orders and billing.
Developed a comprehensive web application for administrators and restaurant staff, along with a Progressive Web App (PWA) for customer convenience

PROFESSIONAL SKILLS ▪

Top Skills:
JavaScript, Java, C/C++, Python, HTML, CSS, XML, Shell Script, TypeScript, React.js, Node.js, Vue.js, NextJS, Nuxt.js, Nest.js, Angular.js, GraphQL React Native, Flutter, Django, Digital Ocean, Heroku, Nginx, Microservice, Event-Driven Architecture, RabbitMQ, Docker, AWS, Azure

Databases & Storage
MySQL, MongoDB, PostgreSQL, Firebase, Firestore, S3, Cloudinary

Version Control
Github, Bitbucket, Gitlab

Collaboration Tools
Slack, Discord, Microsoft Team, Jira, Trello, Confluence

Operating System
Linux, Windows, Mac OS

Others
Excellent Graphics design Skill with Photoshop, Illustrator, XD, Figma, Skilled at MS Word, PowerPoint, Excel,

EDUCATIONS

04/2015–04/2020
B.Sc. in Computer Science & Engineering
Sylhet International University

LANGUAGES

English – Fluent
Bengali – Native
Urdu – Conversational
Hindi – Conversational

CERTIFICATIONS

Software Design Patterns (React)
Issued: March 2023

React (Basic) Certificate
Issued: February 2023

Learning Docker Compose
Issued: February 2023