

Md. Sadman Hossain

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Summary

Software Engineer specializing in fintech and applied AI, building real-world products across digital credit, remittance and diaspora services. I design and ship production systems end-to-end—from backend architectures and frontend designs to mobile apps deployed to the Play Store and App Store.

Education

Chittagong University of Engineering and Technology <i>BSc in Computer Science and Engineering</i>	March 2022 – Present
Notre Dame College <i>Science</i>	June 2018 – Dec 2020
St. Joseph Higher Secondary School <i>Science</i>	Jan 2010 – Feb 2018

Employment

Vice President of Technology	Bucky	Mar 2025 – Present
<ul style="list-style-type: none">Set and executed Bucky's technology roadmap, driving alignment between product vision, compliance needs, and fintech innovation trends within Bangladesh's evolving regulatory landscape.Architected the core AI-driven risk scoring platform (Rini) and credit workflow, enabling scalable assessments and reducing manual underwriting dependencies by 50%.Led cross-functional engineering squads (mobile, backend, ML) to deliver secure fintech modules; improved API throughput by 30% through architecture and caching optimizations.		

Technical Lead	Bucky	Mar 2024 – Mar 2025
<ul style="list-style-type: none">Designed and maintained a scalable backend using FastAPI and PostgreSQL, ensuring high performance and security.Trained, tuned, and integrated the Rini AI microfinance scoring model, increasing prediction stability by 12–15% after feature engineering model retraining.Mentored junior engineers, established CI/CD workflows, and standardized schema/migration patterns to reduce deployment errors.		

Full Stack Developer	Lifestory	Dec 2023 – Oct 2025
<ul style="list-style-type: none">Developed and maintained Lifestory's web application using Vue 3, enhancing user experience and platform performance.Engineered a cross-platform mobile app in Flutter, enabling feature parity with the web platform and boosting retention.Integrated file uploads, authentication, and real-time interactions through modular, unit-tested REST APIs; increased feature velocity by standardizing middleware.Set up third-party integrations (payments, media storage, notifications) to expand platform capabilities.Live: Play Store — App Store		

Products

ProbashiCare - Diaspora Services Platform (Built at Buckyy)

[ProbashiCare](#) 

- Healthcare, travel, and legal services marketplace; built backend (FastAPI + PostgreSQL + JWT), onboarding pipelines & mobile UX.
- Early pilot rolled out for service provider onboarding; established pipeline for healthcare, travel, and legal verticals under diaspora market testing.

Lifestory — Cross-platform Social Memory App

[Lifestory](#) 

- Developed full-stack (Flutter + Vue + REST APIs); authentication, media uploads, device sync, CI/CD; shipped to production on both stores.

Rini AI — Credit Scoring Engine

[Rini](#) 

- Microfinance scoring with XGBoost, feature engineering, preprocessing pipeline, inference API; improved prediction consistency by 12–15%.

Client & Contract Work

BOP Global — Automotive Paint Protection Film Supplier

[BOP-Global](#) 

- Developed commercial website with product catalog distributor funnel; optimized UI for international audiences.

Gina Dirawi Foundation — NGO Media Personality Brand

[ginadirawifoundation](#) 

- Built brand platform for Swedish-Lebanese public figure; animation-heavy landing pages, donation media sections.

ISM Agency — Marketing Talent Management Studio

[ISMAgency](#) 

- Delivered modular website with reusable marketing components for rapid campaign updates.

Trunk — Clothing & Apparel Brand

[Trunk](#) 

- Designed and developed e-commerce storefront; product listings, sizing layout & checkout.

Additional Leadership

Advisor, Scintilla Science Club – St. Joseph Higher Secondary School (2019) Mentored event planning, student activities, and club operations.

Technologies

Languages: JavaScript, TypeScript, Python, SQL

Frontend: Next.js, ReactJS, VueJS, Tailwind CSS, GSAP, Framer Motion

Backend: Node.js, FastAPI, REST APIs, OAuth2/JWT, RBAC, Microservices

Mobile: Flutter, React Native

Databases: PostgreSQL, MongoDB, Firebase

DevOps & Cloud: Docker, Kubernetes, Vercel, Backblaze B2, GCP, CI/CD

Machine Learning: XGBoost, Scikit-Learn, Pandas, NumPy, Matplotlib, SHAP

Tools & Other Skills: Git/GitHub/GitLab, VSCode, Cursor, Figma, Discord Bot Integration

Languages

Bangla (Native) • English (Professional Fluency)

Interests

Creative Tech • Product Thinking • Immersive Web Experiences