

RAHAT AHMED CHOWDHURY

Full-stack Developer · SaaS Enthusiast · IEEE Published Researcher
+8801759727393 · rahatahmedchy01@gmail.com · Sylhet, Bangladesh
[Portfolio](#) [GitHub](#) [LinkedIn](#)

Full-stack developer with hands-on experience designing and building production-grade SaaS platforms, e-commerce systems, and management applications. Proficient across the modern stack — React, Next.js, Node.js, Django — with a strong interest in multi-tenant SaaS architecture, real-time systems, and scalable backends. IEEE-published researcher in blockchain. Seeking a full-stack developer role to ship impactful products and grow alongside an ambitious team.

FEATURED PROJECTS

Velo — SaaS · Project & Workflow Management

Live: [velo.tech-noverse.com](#)

Multi-tenant SaaS for project and team workflow management. Tenants can create multiple workspaces, manage team members across four role tiers (Admin, Owner, Member, Viewer), and collaborate via Kanban boards with real-time updates. Includes platform admin dashboard with analytics, subscription tiers (free & premium) with payment integration, in-app notifications, and full role-based access control.

Stack: Next.js, Node.js, Express, PostgreSQL

ShopFlow — SaaS · Inventory, Orders & POS

Live: [shopflow.tech-noverse.com](#)

Multi-tenant SaaS for small stores and e-commerce businesses to manage orders, inventory, and point-of-sale operations. Shop owners can onboard staff with role-based permissions, monitor stock levels in real time, view sales analytics through dedicated dashboards, and choose between free and premium subscription plans with integrated payment.

Stack: Next.js, Node.js, Express, PostgreSQL

UniMarx — University Result Management System

Live: [unimarx.tech-noverse.com](#) |

End-to-end university result management system handling batches, semesters, courses, and student records. Supports teacher-side attendance, term tests, and assignments with auto-calculated overall assessments. Generates tabulation sheets and gradesheet PDFs on demand. Separate authenticated roles for admins and teachers with secure login.

Stack: HTML, CSS, JavaScript, Bootstrap, Django, PostgreSQL

WORK EXPERIENCE

Freelance Software Developer | Independent | Jan 2025 – Present

Sylhet, Bangladesh

- Conducted requirement analysis, project scoping, and technical proposals for multiple local clients
- Building an online library management system for Islamic World BD using React and Node.js
- Developing a booking & appointment platform for Hijama Ruqyah Foundation
- Building a community health platform (blog, workshops, Q&A, user accounts) for Natural Health Care

Sylotea | Founder | Mar 2025 – Present

Sylhet, Bangladesh

- Founded and operating an online business selling premium Sylhet tea leaves
- Managing product sourcing, branding, digital marketing, and customer relations end-to-end

RootSoft IT | Software Engineer | May 2024 – Nov 2024

Sylhet, Bangladesh

- Contributed to the MPhil/PhD admission management system of Jahangir Nagar University (Laravel)
- Redesigned and modified the official website of an AI-based metric application (WordPress)
- Implemented client-specific features for a food ordering application (WordPress)
- Conducted requirement-gathering meetings with foreign clients and communicated project updates
- Tested core functionalities and APIs across multiple production projects

Website: [www.rootsoftit.com](#)

Actuate Research & Consulting (ARC) | Software Developer & IT Instructor | Sep 2020 – Apr 2022

Sylhet, Bangladesh

- Built an in-house e-commerce platform as ARC's flagship product (Django)
- Designed and deployed ARC's official corporate website (WordPress)
- Attended B2B client meetings to gather IT support and service-delivery requirements

- Translated business logic into functional software during R&D for multiple client projects
- Mentored junior teammates on project-specific technologies and delivery standards

Website: www.actuatebd.com

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Python, SQL, PHP
- **Frontend:** React, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design
- **Backend:** Node.js, Express, Django, Django REST Framework, Flask, RESTful APIs
- **Databases:** MySQL, PostgreSQL, SQLite
- **Real-time & Auth:** WebSocket (Socket.io), JWT, Session-based Auth, Role-Based Access Control
- **Tools & Platforms:** Git, GitHub, Postman, Figma, Render, Netlify, Heroku, Vercel
- **Concepts:** Multi-tenant SaaS Architecture, System Design, Software Architecture, API Documentation (OpenAPI/Swagger), Authentication & Authorization, Scaling, Blockchain (Hyperledger Fabric, Hyperledger Cacti)
- **Familiar with:** Laravel, AWS, Docker

RESEARCH PUBLICATIONS (IEEE)

xCRM: Blockchain Interoperable Crime Report Management System Utilizing Hyperledger Cacti & Private Data Collection (PDC)

IEEE · 2023 · [View on ResearchGate](#)

SafetyNet: A Decentralized Police Complaint Management System for Bangladesh Using Blockchain Technology

IEEE · 2024 · [View on ResearchGate](#)

S-DrivingRecords: Enhancing Trust and Transparency in Driving Records Using Hyperledger Fabric

IEEE · 2024 · [View on ResearchGate](#)

EDUCATION

BSc in Computer Science & Engineering | CGPA: 3.55 / 4.00

Sylhet Engineering College (SUST Affiliated), Sylhet — 2024

Higher Secondary Certificate (HSC) | CGPA: 4.58 / 5.00

Scholarshome, Sylhet — 2018

Secondary School Certificate (SSC) | GPA: 5.00 / 5.00

Blue Bird School & College, Sylhet — 2016

ACADEMIC & EXTRA-CURRICULAR

- Conducted programming workshops for junior students at Sylhet Engineering College
- Organized educational programs as a member of the CSE Society
- Participated in Hackathons (2019, 2022, 2023)
- Researched on blockchain technology and published three papers in IEEE
- Delivered voluntary BSc final preparation lectures for batchmates — [Playlist 1](#), [Playlist 2](#)

REFERENCES

Abu Naser Mojumdar

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