Md. Kamrul Islam

Full Stack Developer

Rajshahi, Bangladesh | +880-1736635727 | mdkamrulislam.dev@gmail.com
LinkedIn | GitHub | Portfolio

Technical Skills

Hard Skills (Engineering): JavaScript (ES6+), TypeScript, Next.js, React, Node.js, Express.js, PostgreSQL, Prisma, Socket.IO, WebRTC, Stripe API, Docker, Linux (Bash), Zod, JWT, RBAC, TanStack Query.
Hard Skills (ML/Python): Python, C++, Fast API, PyTorch, YOLOv8, OpenCV, Image Processing.
Soft Skills: Technical Leadership, Agile Collaboration, Complex Problem Solving, System Design, Mentoring.
Languages: English, Bangla.

Technical Experience & Projects

Open Source Contributor | ***OWASP BLT Core*** Feb 2026 – Present

- Contributed to the core repository of the OWASP BLT open-source project, actively maintaining system integrity and enhancing backend architecture features across **5+** core modules.
- Successfully merged 3 critical pull requests: **Pull Request 6094**, **Pull Request 117**, and **Pull Request 115**.

Game Leaderboard Platform | ***Private Team Project*** Jan 2026 – Feb 2026

- Collaborated within a **4-engineer** agile team to architect and integrate comprehensive leaderboard features across multiple gaming applications.
- Optimized competitive tracking systems and enhanced user engagement metrics through efficient database state management.

Funding Panda | ***Next.js, Express.js, Prisma, Socket.IO, Stripe*** March 2026

- Engineered a high-performance crowdfunding engine supporting continuous real-time data broadcasting via **Socket.IO** for **100+** concurrent client connections.
- Integrated a secure payment gateway using **Stripe**, facilitating simulated transactions across **3+** currencies and ensuring **100%** data integrity for global users.
- Streamlined media delivery through **Cloudinary** integration and enforced **RBAC** to secure sensitive admin architectures.
- Live: funding-panda-frontend.vercel.app

Kidraw | ***Next.js, Prisma, OAuth, Canvas API*** May 2026

- Built a production-grade infinite canvas SaaS application with **Next.js**, leveraging serverless database synchronization via **Prisma** to manage architectural states for engineering teams.
- Configured custom **OAuth** integration and role-based sharing protocols, establishing strict access controls across **100%** of user dashboard sessions.
- Engineered an advanced export engine and ray-casting lasso tool, natively rendering complex CSS patterns into **3+** multi-format vector exports without quality degradation.
- Live: kidraw-canvas.vercel.app

KanbanSync | ***React, Node.js, Express.js, PostgreSQL, JWT*** March 2026

- Constructed a real-time collaborative platform with a decoupled **Express.js** backend and React frontend, allowing **10+** concurrent users to synchronize task states instantly.
- Fortified system security by executing **JWT-based sessions** and modular MVC architecture, securing **15+** API endpoints and isolating business logic to prevent unauthorized access.
- Live: kanbansync-pc3d.onrender.com

StreamShare CLI | ***Raw Node.js, Streams API*** Feb 2026

- Authored a zero-dependency CLI tool capable of processing **2 GB+** files with a strictly fixed memory footprint of under **50 MB**.
- Published to NPM, maximizing I/O performance through **Node.js Buffers** and custom stream piping to accelerate local file transfer speeds up to **50 MB/s**.
- Live: npmjs.com/package/streamshare-cli

Education

Rajshahi University of Engineering and Technology (RUET) Rajshahi, Bangladesh

Bachelor of Science in Electrical and Computer Engineering (8th Semester) *March 2022 – July 2026*

- Thesis: **Object detection and classification of fire, smoke, spark, and reflection** using **DSS-YOLO**; achieved high precision in diverse lighting conditions.
- Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Microprocessor & Assembly Language, Computer Architecture, Software Engineering, Operating Systems, Database Management Systems (DBMS), Computer Networks, Object Oriented Programming.

Certifications & Problem Solving

Certifications: **Cloud Computing (edX / IBM)** – Verified credential demonstrating cloud infrastructure proficiency.

LeetCode: Solved **100+** complex algorithmic problems, maintaining a focus on space-time efficiency.

Leadership & Impact

RUET ECE Club Rajshahi, Bangladesh

Vice President *2025 – Present*

- Directing a community of **200+** students, organizing technical workshops on Full Stack Development, Research and ML.