

Dardaul (Rudro) Hoque

Full-stack Developer

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PROFILE

Well-rounded Full-stack developer with experience in Frontend, Backend, DevOps, LLMs, Cross-platform Desktop and Mobile App Development. I am eager to learn and adapt with my team's dynamic requirements.

EDUCATION

University of Dhaka

Bachelor of Science in Software Engineering

Dhaka, Bangladesh

2019 – 2023

SKILLS

Frontend: I have experience in building-

- Highly interactive and performant 3D graphics augmented site with Three.js and WebAssembly.
- SPAs with React.js and cross platform mobile app with React Native.
- Other frontend skills: Svelte, Solid.js, Tailwind CSS & SVG animation.

Backend:

- Built concurrent apps with Go, API servers with .NET Core and microservices with Node.js.

DevOps & Linux Sysadmin:

- Experience working as a Linux Sysadmin - I'm a zsh and Terminal Multiplexer poweruser.
- Experience with Docker containers, CICD and Open Telemetry.

EXPERIENCE

Factoryze

Dhaka, Bangladesh

Full-stack Developer (Automation)

June 2025 – Present

- Currently building an in-house platform that automates social media marketing across multiple platforms using large language models, Next.js and n8n.

Streams Tech Ltd.

Dhaka, Bangladesh

Associate Software Engineer (DevOps & SysAdmin)

January 2024– June 2024

- Improved Developer Experience by-
 - Significantly reducing delivery time with optimized docker images, build cache & dedicated registry.
 - Streamlining CI-powered code merges that examines git blame and notifies respective developers responsible for a merge conflict.
 - Implementing a file server that replicates up to date test databases (useful for local debugging).
- Maintained high uptime of production server by providing on-call sysadmin services.
- Ensured end-to-end product delivery by co-ordinating with developers, testers and stakeholders.

Streams Tech Ltd.

Dhaka, Bangladesh

Software Engineering Intern (Backend & DevOps)

December 2022– May 2023

- Reverse-engineered an open-source project (<https://github.com/kobotoolbox>) and extended its API with .NET Core.
- Orchestrated a remote development environment for my team using Docker and Dnsmasq.

FEATURED PERSONAL PROJECTS

Neuromancer | <https://neuromancer.rudro.me>

- Real-time interactive 3D neural network visualizer.
- Tech Stack: TypeScript, Svelte, Three.js, Tailwind CSS and Open Neural Network Exchange Runtime (Web).
- Achieved high performance and responsive UI with WebAssembly, custom 3D shaders and a dedicated Web Worker.

SQLite Clone in Go | <https://github.com/rudrowo/sqlite-clone>

- Made from scratch with a heavy focus on concurrency.
- Made use of multiple goroutines to parse on-disk B-Trees and filter them in parallel.