

# 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 love writing functional code with TypeScript and Go.

## EDUCATION

University of Dhaka  
Bachelor of Science in Software Engineering

Dhaka, Bangladesh  
2019 – 2023

## SKILLS

**Frontend:** I have experience in building-

- Highly dynamic 3D graphics augmented site with **Three.js**
- **WebAssembly** powered high-performance concurrent web-app.
- Single page apps with **React.js**
- 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 CLI** and **Terminal Multiplexer** poweruser.
- Experience with Docker containers, CI/CD and Open Telemetry.

## EXPERIENCE

Factoryze

Dhaka, Bangladesh

**Full-stack Developer**

June 2025 – Present

- Creating an innovative Learning Management System ( LMS ) by utilizing DevOps technologies.
- Boosting sales with RAG ( Retrieval Augmented Generation ) powered social media marketing.

Streams Tech Ltd.

Dhaka, Bangladesh

**Associate Software Engineer**

January 2024– June 2024

- Worked as Lead DevOps Engineer and Linux System Administrator for a team of 20+ developers.
- Boosted developer productivity with in-house CI/CD (Jenkins) and system monitoring (Open Telemetry).
- Ensured end-to-end product delivery by co-ordinating with Developers, Testers and Stakeholders.

Streams Tech Ltd.

Dhaka, Bangladesh

**Software Engineering Intern**

December 2022– May 2023

- Ensured client acquisition as the sole Backend and DevOps engineer of an R&D project. (NET Core and Docker)
- Reverse-engineered an open-source project used for surveys ( <https://github.com/kobotoolbox> ).

## PROJECTS

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

- Real-time 3D visualizer for convolutional neural networks.
- Made use of WebAssembly and multiple Web Workers for high performance responsive UI.
- Tech Stack: Svelte 5, Three.js, Tailwind CSS and Open Neural Network Exchange Runtime (Web).

**Control-flow Graph** | <https://cfg.rudro.me>

- Dynamically render code flow with a graph.
- Tech Stack: React.js and Mermaid.js.

**SQLite Clone** | <https://rudro.me/projects/sqlite>

- SQLite clone boasting custom-made query parser.
- Tech Stack: Go. Made heavy use of Goroutines