

# Roki Roy

Backend Developer

Portfolio • GitHub • LinkedIn

rokiroydev@gmail.com • +91 9800 881 300 • Siliguri, India

## Summary

Backend-focused engineer with production experience building Go-based REST APIs, authentication systems, and scalable backend services. Capable of delivering full-stack solutions using React, Next.js, and Flutter. Strong foundation in clean architecture, database design, API integration, and Docker-based deployment.

## Experience

### Software Development Engineer (SDE 1) — Fordel Studios

Feb 2025 – Present

- Implemented and integrated Golang REST APIs for production web and mobile applications.
- Integrated third-party services including payment gateways and verification APIs.
- Optimized PostgreSQL queries through indexing and schema improvements.
- Contributed to Flutter and React feature development in Agile sprints.

### Full Stack Developer Intern — Fordel Studios

Aug 2024 – Jan 2025

- Refactored backend APIs and improved database query structures.
- Built additional endpoints supporting new frontend features.
- Assisted in debugging and maintaining production issues.

## Key Projects

### FormulaShop — E-commerce Platform (Fordel Studios)

- Contributed to API integration and frontend development.
- Integrated payment services and improved product listing workflows.
- Stack: React / Next.js, Node.js, REST APIs

### emSigner — Digital Signature Platform (Fordel Studios)

- Integrated Aadhaar verification and payment gateway APIs.
- Implemented structured request validation and API handling logic.
- Stack: Flutter, Go / Node APIs

### ZenliAI — AI Content Platform (Freelance)

- Architected Go backend using clean architecture principles.
- Implemented asynchronous job processing using Redis and Asynq.
- Built React frontend for content workflows.
- Stack: Go, PostgreSQL, Redis, React, Docker

### Astra Terra Properties — Real Estate Platform (Dubai Client)

- Migrated legacy PHP website to modern Next.js application.
- Integrated Pixxi CRM and implemented dynamic property filtering.
- Stack: Next.js, TypeScript, Pixxi CRM

### Dooars Dil — Location-Based Dating Application (Personal)

- Developed backend services for user authentication, profile management, and location-based matching.
- Designed relational database schema and implemented filtering logic using Go and PostgreSQL.
- Built REST APIs to support user discovery and interaction workflows.

### Vayuroom — WebRTC Platform (Personal)

- Developed peer-to-peer WebRTC video system with Firebase signaling.
- Stack: React, WebRTC, Firebase

## Technical Skills

**Backend:** Go (goroutines, channels), REST APIs, JWT, Redis, PostgreSQL (schema design, indexing)

**Frontend:** React, Next.js, TypeScript

**Mobile:** Flutter, Swift

**DevOps:** Docker, Firebase, AWS (basic), Git

**Concepts:** Clean Architecture, Concurrency, API Integration, Database Design

## Education

University of North Bengal — BCA

Expected May 2026