

BROTI SUNDER BAGCHI

Full Stack Engineer · Devops Engineer

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PROFESSIONAL SUMMARY

Full Stack Engineer with hands-on experience building scalable SaaS applications and real-time systems. Skilled in backend architecture, API design, deployment automation using Terraform, and payment integrations. Proven ability to deliver production-ready systems using modern frameworks and cloud infrastructure.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript
Frameworks	Next.js, NestJS, SvelteKit, Angular
Databases	PostgreSQL, Prisma, Drizzle ORM
Cloud & DevOps	AWS, Docker, Terraform, CI/CD Pipelines
Concepts	REST APIs, System Design, Caching, Authentication, Real-time Systems

WORK EXPERIENCE

Full Stack Engineer2025 – Present

Home Ground

- Built and deployed a tournament management system for pickleball supporting single elimination and round-robin formats.
- Designed and implemented bracket generation logic from scratch for multiple tournament formats.
- Integrated Stripe Connect for payment processing and vendor onboarding workflows.
- Managed cloud infrastructure and CI/CD pipelines using Terraform with automated testing.

Software Engineer2024 – 2025

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- Developed real-time applications with efficient event handling and scalable backend architecture.
- Built full-stack applications using SvelteKit and PostgreSQL (Neon DB) with Drizzle ORM.
- Implemented real-time features using WebSockets for enhanced responsiveness and user experience.

PROJECTS

School SaaS Platform — Next.js · NestJS · PostgreSQL · Cashfree

- Built a multi-tenant SaaS platform for school management serving multiple institutions from a single deployment.
- Integrated Cashfree payment gateway for seamless transaction handling across tenants.
- Designed scalable backend APIs and relational database schema to support growing multi-school data.

Real-time Notification System — Node.js · WebSockets · PostgreSQL

- Designed and implemented a real-time notification system using WebSockets for live event delivery.
- Optimised backend architecture to handle high volumes of concurrent users efficiently.

EDUCATION

Master of Computer Application (MCA)2022 – 2024

Chandigarh University

Bachelor of Computer Science (B.Sc)2019 – 2022

Mats University