Prabuddha Narayan Datta

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SKILLS

Languages	C++, JavaScript, TypeScript, Python, SQL
Web Technologies	ReactJS, NextJS, Tailwind CSS, tRPC, Socket.io, Websockets, NodeJS, Express.js, JWT, Redux, Tanstack Query, REST APIs, HTML5, CSS3
Databases	PostgreSQL, MongoDB, MySQL, Prisma ORM
Cloud & DevOps	Docker, Kubernetes, AWS, Github Actions

PROJECTS

Blitz AI — AI-Powered Website Builder — Live Demo

- Engineered an **AI-first full-stack web builder** that **generates, previews, and deploys complete applications** from text prompts using programmable AI agents.
- Architected a scalable system with **Next.js, React, TypeScript, tRPC, and Inngest**, achieving **98% type coverage** and reducing runtime bugs by **35%**.
- Integrated **OpenAI models** and **Dockerized E2B sandboxes** to support **250+ concurrent builds** with sub-**7s** deploys and **99.97% uptime**.
- The builder **automatically generates visually appealing, production-ready frontend UIs** from user prompts, ensuring modern layouts and clean design aesthetics.

Tech: *Next.js, React, TypeScript, tRPC, Inngest, Docker, Prisma, Postgres, OpenAI, Tanstack Query*

Splitr — AI Expense Splitting Platform — Live Demo

- Built an **AI-driven expense manager** automating settlements and reports, reducing manual effort by **90%**.
- Architected **Next.js + Convex backend** handling **1K+ concurrent users** at **200ms latency**.
- Automated reports via **Inngest pipelines** and optimized UI with **React, Tailwind, Shadcn/ui**.

Tech: *Next.js, React, TailwindCSS, Convex, Clerk, Shadcn/ui, Inngest, JavaScript*

EventBay — Real-Time Event Ticketing Platform — Live Demo

- Developed a **real-time ticketing system** supporting thousands of users with secure **Stripe Connect** payments.
- Designed a **queue-based concurrency system** preventing double-bookings and improving ticket allocation by **70%**.
- Built a live **analytics dashboard** and implemented **role-based authentication with Clerk Auth** for organizers and attendees.

Tech: *Next.js, TypeScript, Convex, Clerk, Stripe Connect, TailwindCSS, Shadcn/ui, React*

EDUCATION

Indian Institute of Technology (IIT), Patna — **Aug 2024 – Present**
Bachelor's Degree, Computer Science — CGPA: 9.15