

Pritthish Nath

Full-stack Developer

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Kolkata, West Bengal, India

Skills and tools

Development

- **Languages:** JavaScript, TypeScript
- **Frontend:** React, Jotai, Redux, React-flow, DnD Kit, ELK layout engine, WebSockets, WebRTC, TanStack Router and Query, Tailwind CSS, Shadcn UI
- **Backend:** Node.js, Bun, Express, Hono, Pylon GraphQL, MongoDB, PostgreSQL, MySQL, ClickhouseDB, Drizzle, JWT and Session Auth, RabbitMQ, OpenTelemetry
- **Framework:** NextJS

DevOps & Infrastructure

- **CI/CD Pipelines:** GitHub Actions, GitLab CI
- **Operations:** Ubuntu/Debian servers, Caddy, Nginx, PM2 process manager, Docker, Tailscale, Dokploy for services management
- **IaC:** Terraform
- **Cloud services:** AWS (ECS Fargate, Lambda etc.), DigitalOcean services, cloud functions etc.

Education

Fellowship in Software Development

Crio | 2023 – 2024

B.Com in Finance & Investment Analysis (Distance)

Amity University | 2019 – 2022

Gap year (Oct 2022 – Sep 2023)

Product Developer

aceKBD.com

Co-founded a direct-to-consumer mechanical keyboard startup that provided significant entrepreneurial experience despite not achieving market sustainability.

Full-stack web architect, and developer with 2.5+ years of professional experience building and experimenting applications in JS/TS ecosystem, and cloud technologies. Specialized in developing and deploying distributed systems with micro-services architecture, CI/CD automation, and containerization. Skilled in both frontend UI/UX implementation and backend API development with a focus on performance optimization and observability. Passionate about building reliable software solutions that solve complex business problems.

Experience

Full Stack Developer

Plutonapps (WhiteRose Lab Pvt. Ltd.) | Kolkata, India, Apr 2024 – Present

- Architect and built multiple SaaS platforms:
 - Product launch waitlist system with integrated template builder, and custom email, domain support
 - Startup pitching platform for fundraising and connect with potential investors
 - Newsletter publishing platform with conditional subscribers' segmentation, automation workflows, integrated with web and email template editor, survey form builder, and polls etc.
 - Marketplace for translation and language oriented service providers and buyers
- Optimized metrics, and analytics performance by 70% by integrating Clickhouse columnar database into multiple projects.
- Improved operations reliability by 40%, and ensure data integrity by setting up RabbitMQ event-driven architecture with dead-letter queue handling.
- Enhanced applications' observability by integrating OpenTelemetry distributed tracing across multiple services with Signoz self-hosted monitoring stack.

Highlighted tech stack and integrations: S3 compatible object storages, Sendgrid, Hookdeck, Stripe API for both subscription and one-time purchases

Full-stack Software Engineer

TCM Stunner IT Consultants LLP | Kolkata, India (Remote), Feb 2022 – Oct 2022

- Built front-end and back-end application of DSky, a push-to-talk communication application built on top of WebRTC, with features containing group broadcasting, peer-to-peer audio & video call with recording and role based dynamic admin portal.

Highlighted tech stack and integrations: Socket.io, Mediasoup WebRTC SFU, Express-session, Winston (Logger), Google Maps API

Freelancing

Freelance Developer and DevOps support

TCM Stunner IT Consultants LLP | Dec 2023 – Apr 2024

1. Optimized site performance by reducing [udbodhan.org](#) loading time by 85%, improving GTmetrics performance grade from D to A.
2. Developed and deployed a scalable NextJS-based archive display site, with dynamic content fetching from CMS, supporting both static and media content playback.
3. Streamlined deployments by containerizing multiple projects in Docker, and built CI/CD pipelines with GitLab CI, automating build, release and deploy processes.
4. Improved projects management accessibility and reduced deployment time by deploying several open-source tools e.g. Dokploy, Portainer, Vikunja, Passbolt, Cockpit, etc.

Personal Works

Notes Keeper • [Live Demo](#) | [UI Repository](#) | [API Repository](#)

Architect and developed a distributed micro-services system for a markdown content editor, focusing on a central API gateway pattern to manage request routing between authentication service and resource servers.

Wireguard VPN • [Repository](#)

Architected a secure networking solution by configuring kernel-level Wireguard VPN on Oracle Cloud infrastructure, solving cross-border content access problems. Implemented advanced DNS traffic filtering using Pi-Hole and Unbound resolver to enhance security and privacy.