

Pritthish Nath

Full-stack Developer

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Bhatpara (near Kolkata), West Bengal – 743123, India

Skills

Development

- **Languages:** JavaScript, TypeScript
- **Frontend:** React, Jotai, Redux, Tailwind CSS, Shadcn UI, Material UI, WebSockets, WebRTC
- **Backend:** Node.js, Bun, Express, MongoDB, Mongoose, MySQL, Sequelize, JWT Auth, Session Auth, OpenTelemetry SDK, RabbitMQ
- **Framework:** NextJS

DevOps & Infrastructure

- **CI/CD Pipelines:** Github Actions, GitLab CI
- **Server Environments:** Ubuntu/Debian servers, Caddy, Nginx, PM2 process manager, Docker containerization & compose, Tailscale for overlay network, Dokploy for serverless in server
- **IaC:** Terraform
- **Serverless Environments:** 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 developer with 2.5+ years of hands-on experience building and experimenting web applications using React, Node.js, and cloud technologies. Specialized in developing and deploying distributed systems with microservices 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

- Engineered front-end and back-end of multiple of projects, i.e., a SaaS platform to publish product launch waitlists with integrated web template builder and custom email and domain support, a startup pitching platform for fundraising and to connect with potential investors, and a marketplace platform for language oriented service (translation, proof-reading etc.) providers and buyers.
- Improved operations reliability by 40% by integrating RabbitMQ in back-end services with proper dead-letter queue management.
- Enhanced application observability by setting up OpenTelemetry tracing across multiple services with Signoz open-source monitoring stack.

Highlighted tech stack and integrations: S3 compatible object storage, Sendgrid, Hookdeck, Stripe API for both subscription and single transaction

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. Developed Vedanta Archive display site, using NextJS with App router with dynamic content fetch on-demand from CMS, with basic features like pagination, search and filter and a global audio player. (2024)
2. Deployed a containerized application stack using EC2 Docker environment and ECS Fargate, within same VPC network. (2024)
3. Played an integral role in deployment of several projects in Docker environments in Ubuntu Servers, building CI/CD pipeline with GitLab CI to automate the process.
4. Improved projects management accessibility and reduced deployment time by deploying several open-source applications e.g. Portainer, Vikunja, Passbolt, Cockpit, etc. (2024)

Personal Works

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

Developed a distributed microservices architecture for a markdown content editor, implementing a central API gateway pattern to manage request routing between authentication service and resource servers.

React Material Sidebar Starter Template • [Live Demo](#) | [Repository](#)

Developed a basic React responsive starter template built with Material UI before React router v6 with a centralized configuration system.

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.