

# Pritthish Nath

## Full-stack Developer

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Kolkata metropolitan area, West Bengal – 743123, India

## Skills

### Development

- JavaScript | TypeScript
- React | React Hooks & Context
- NextJS 14 - App router, Server actions
- Recoil.js | Redux
- Material UI
- Node.js | Express | Socket.io
- JWT Auth | Session Auth
- MongoDB | MySQL
- Bootstrap | Tailwind CSS

### CI/CD Pipeline

- GitLab CI
- GitHub Actions

### Deployment

- Ubuntu/Debian VPS
- Docker | Docker compose
- AWS ECS Fargate
- Caddy web server
- PM2 process manager
- Cloud networking

## Education

### Fellowship in Software Development

Crio | 2023 – present

### B.Com in Finance & Investment Analysis (Distance)

Amity University | 2019 – 2022

## Gap year (Oct 2022 – Sep 2023)

### Product Developer

Co-founding a customized mechanical keyboard D2C brand | aceKBD.com

Skilled in Web, Network concepts, and Linux Systems: I understand how they work inside out. I focus and excel at grasping concepts and patterns over syntax, enabling me to rebuild or upgrade systems from scratch or mid-project. I know where to look in the documentations to find what I need.

## Professional Experience

### Freelancing

#### Freelance Developer

TCM Stunner IT Consultants LLP | Dec 2023 – present

1. Developed Vedanta Archive display site, using **NextJS** with **App router** with dynamic content fetch on-demand from CMS. (present)
  - Features developed are lazy loading content on scroll, search and filter content, global audio player etc.
  - Other used modules: **Recoil** for state management, fetch for REST API.
2. Deployed a containerized application stack using **EC2** Docker environment and **ECS Fargate**, within same VPC network. (2024)
3. Deployment of several projects in **Docker** environments in Ubuntu Servers, building CI/CD pipeline with **GitLab CI** to automate the process. (present)
4. **Improved projects management accessibility** by deploying several application e.g. Portainer for container management, Vikunja for task management, Passbolt for password management, Cockpit for monitoring and accessing VPS. (2024)
5. Worked on **migration** of a **React Native** application back-end from Firebase API to **Node.js** and **MongoDB** ecosystem. (2023)

### Full-time

#### Full-stack Software Engineer

TCM Stunner IT Consultants LLP | Remote, Feb 2022 – Oct 2022

- Developed dSky, a push-to-talk communication application on top of WebRTC, with features containing group broadcasting, peer-to-peer audio & video call with recording and role based dynamic admin portal.

#### Tech Used

Front-end: React | Skote Dashboard theme | Redux | Reactstrap | Google Maps API | Custom hooks

Back-end: Express | Socket.io | Mediasoup (WebRTC) | MySQL | Express-session | Winston(Logger)

## Personal Projects

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

- A simple markdown content editor with advance MERN-stack and Micro-service architecture type API implementation.
- Built a central API gateway which is connected with an authentication service, and separate resource servers. Notes Keeper API is one of the resource server integrated with the API gateway.

#### Tech Used

UI: React | TypeScript | Bootstrap | React-Select | React Hook Form | Custom hooks

API: Express | Mongoose | TypeScript | Github Actions – CD (common for all)

#### Authentication Service API • [Repository](#)

- Authentication service provider for Notes Keeper and other demo sites, which are integrated with the central API gateway.
- Authentication system based JWT access token and refresh token.
- Enabled user registration with e-mail verification.

Tech Used: Express | Mongoose | TypeScript | JWT

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

Basic React responsive sidebar starter template with Material UI.

#### Oneway • [Live Demo](#) | [Repository](#)

A Spotify client UI built with **NextJS** & **Tailwind CSS** with few Spotify API functionalities.

#### Wireguard VPN • [Repository](#)

Hosting a kernel wireguard VPN in **Oracle Cloud** for family members living abroad to access Indian contents, vice-versa and for personal intranet, integrated with DNS traffic filtering by Pi-Hole and resolver Unbound.