

# Nirajan Mandal

Senior Frontend Engineer

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## Professional Summary

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**Senior Frontend Engineer** with 5+ years of experience building scalable SaaS applications using **React**, **Next.js**, and **TypeScript**.

Strong expertise in **performance optimization**, **API integrations**, and **cloud architecture** (**AWS**, **Firebase**).

Proven ability to **deliver end-to-end features**, improve **system performance**, and collaborate across **cross-functional teams**.

## Technical Skills

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**Frontend:** **React**, **Next.js**, **TypeScript**, **JavaScript**, **Tailwind CSS**

**State & Data:** **TanStack Query**, **Zustand**, **React Hook Form**, **Zod**

**Backend & Cloud:** **Node.js**, **AWS (S3, Lambda, Cognito)**, **Firebase**, **REST APIs**

**Databases:** **PostgreSQL**, **Prisma**, **MongoDB**

**Tools:** **Git**, **Docker**, **Vercel**

## Work Experience

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### Senior Frontend Engineer

Aug 2024 – Present

Docs.Ink (Onsite)

- Developed **scalable SaaS product** using **Next.js** and **React**, improving **performance** and maintainability.
- Built and maintained **68+ API routes** for **authentication**, **payments**, and **email systems**.
- Achieved **90% performance improvement** by optimizing file delivery using **CloudFront signed cookies**.
- Designed secure **OTP authentication system** with **rate limiting** and **expiry handling**.
- Implemented **AWS-based email system** using **Lambda**, **SQS**, and **SES** for scalability.
- Optimized **data fetching** using **TanStack Query**, reducing redundant API calls.
- Built **dynamic form builder** and **rich-text editor** for complex workflows.
- Integrated **Stripe subscriptions**, improving **payment flow** and user onboarding.

### Senior Frontend Engineer

Jan 2024 – Aug 2024

Fatdog Agency Nepal (Hybrid)

- Led development of **multi-vendor platform** across multiple frontend applications.
- Improved **team productivity** through code reviews and technical mentorship.
- Built **scalable architecture** using **Next.js** and **TypeScript**.
- Developed **complex forms** with strong validation using **React Hook Form** and **Zod**.

## Frontend Engineer

Sep 2022 – May 2023

Intuji (Onsite)

- Built **responsive web applications** using **React**, **Next.js**, and Tailwind CSS.
- Improved **data performance** using **TanStack Query** and SWR.
- Integrated **Stripe payments** and validation systems.

## Back-End Engineer

May 2021 – Sep 2022

Intuji (Remote)

- Developed **serverless backend services** using **Firebase Cloud Functions**.
- Integrated **third-party APIs** including Stripe and Courier.
- Designed **scalable database systems** using Firestore.

## Projects

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- Built **ride-booking app** using React, Tailwind, and Firebase.
- Developed **food ordering platform** using Next.js, Prisma, PostgreSQL, and Stripe.
- Created **Chrome extension** for browser security.
- Implemented **authentication system** using JWT and MongoDB.