

Nanda Kumar Mangati

Senior Full-Stack Engineer

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SUMMARY

Full-stack engineer with 10+ years building scalable, customer-facing web applications and internal platforms, end to end from design to deployment. Strongest in React, TypeScript, and Next.js on the frontend and Python and Django on the backend. Track record of owning the frontend of complex products, leading and mentoring engineers, and shipping integrations and platforms. Currently building with AI coding agents as part of my daily workflow.

SKILLS

Languages	Python, TypeScript, JavaScript, SQL
Frontend	React, Next.js, Ember.js, TanStack Query/Table/Virtual, Radix UI, Tailwind CSS, React Hook Form, Zod, TipTap, jQuery, Bootstrap
Backend	Django, Node.js, REST APIs, Celery, NextAuth, PostgreSQL, MongoDB, Redis, ElasticSearch, Nginx
Cloud & DevOps	AWS (EC2, ECS, S3, Lambda, CloudWatch), Docker, CI/CD, Git, Vite, Webpack
Testing & quality	pytest, Jest, Testing Library, MSW, Storybook
AI	AI coding agents, LLM integration, RAG, MCP (writing at mangatinanda.me/blog)

EXPERIENCE

Isha Foundation (IT), Full Stack Developer

Jul 2025 - Present

- Own the entire frontend of IVM (Bodhi), an Integrated Volunteer Management platform (Django + Next.js) for managing participants and volunteer profiles.
- Built data-heavy admin interfaces: server-driven list views with filtering, search, and detail/preview panes, using TanStack Table and virtualization for datasets of thousands of records.
- Implemented rich-text editing (TipTap), drag-and-drop ordering (dnd-kit), authentication (NextAuth), data fetching and caching (TanStack Query), forms and validation (React Hook Form + Zod), and XLSX/PDF exports.
- Established frontend quality infrastructure: component development in Storybook with accessibility checks, unit and integration tests with Jest, Testing Library, and MSW, plus pre-commit linting.
- Prototyped a dynamic form-generation system (Next.js + Odo) and redirected effort pragmatically when the org standardized on an existing system.

HappyFox Technologies LLP, Full Stack Developer

2021 - Jun 2025

- Led a team of full-stack developers and QA engineers to build an internal iPaaS platform that cut integration development time by 50%; owned its frontend and contributed hands-on to the backend (Python, Django ORM).
- Designed APIs, database schemas, and backend services across the Helpdesk, Workflows, and BI products.
- Ran frontend code reviews and mentored junior developers on best practices and design.

HappyFox Technologies LLP, Front-End Developer

May 2015 - 2021

- Played a key role in the full UI revamp of the enterprise helpdesk into a performant Ember.js single-page app, shipping via weekly-to-daily CI/CD.
- Designed and built a reusable JavaScript SDK that streamlined third-party app integrations.
- Built integrations across project management, CRM, e-commerce, social media, and voice platforms.

Cognizant Technology Solutions, Programmer Analyst

Dec 2013 - May 2015

- Contributed to an online banking application (Ember.js), fixing UI bugs and building reusable front-end templates, after completing formal web development training.

SELECTED PROJECTS & WRITING

- mangatinanda.me Personal portfolio and technical blog on Next.js 16; writing on MCP, RAG, and AI-assisted engineering.

EDUCATION

Sri Venkateswara University College of Engineering, Tirupati B.Tech, Computer Science & Engineering

2009 - 2013

Languages: Telugu, English, Tamil, Hindi