

# SHIVANGI PRAPTI PANIGRAHY

Software Engineer (SDE-2) – Fullstack

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## PROFESSIONAL SUMMARY

MERN Stack Developer with **2.11 years of experience** in designing and developing **scalable, high-performance web applications**. Skilled in building **dynamic** and **user-friendly** solutions using **React.js, Node.js, Express.js, and MongoDB**. Passionate about writing **clean, efficient code** and staying updated with the **latest advancements in web development**.

## EDUCATION

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| 2019-2023<br>Berhampur, Odisha<br>India | Bachelor of Technology (B.Tech)<br>Computer Science and Engineering<br>NIST University |
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## PROFESSIONAL EXPERIENCE

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| 04/2025 - Present (9 Months)<br>Ahmedabad, India (WFO) | Pragtx Softwares Pvt. Ltd<br>Software Engineer (SDE-2) - Fullstack |
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### Responsibilities

- Worked on **end-to-end backend** and frontend features across multiple projects, including **AI integrations, healthcare data platforms, and SaaS systems**.
  - Performed R&D and architectural analysis on **GPT-based systems**, identifying quality gaps between UI and **API implementations** and proposing improvements using **knowledge integration**.
  - Implemented and maintained **backend APIs and business logic** using **Node.js / NestJS**, including **RBAC, delete-user modules, webhook handling, and SDK customizations**.
  - Integrated and tested **third-party services and APIs** such as **Terra Health APIs, AWS SES, Google & Apple social login**, ensuring **secure and reliable data flow**.
  - Collaborated closely with **designers, frontend developers, backend engineers, clients and cross functional teams** to translate requirements into stable, **production-ready solutions**.

### Achievements

- Successfully cleared **multiple client technical interviews**, demonstrating **strong problem-solving and system-design skills**.
- Received **direct appreciation** from clients for **technical expertise, communication clarity, and delivery quality**.
- Consistently **met and exceeded client expectations** by delivering features aligned with **business and product goals**.
- Quickly learned and applied **new tools, SDKs, and technologies (AI workflows, Terra APIs, AWS services)**, contributing to **faster and more reliable project execution**.

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| 02/2023 – 03/2025 (2.2 Years)<br>Ahmedabad, India (WFO) | BrainerHub Solutions<br>Junior Software Engineer – Fullstack |
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### Responsibilities

- Developed and maintained **full-stack web applications** with **role-based access, admin dashboards, and secure data handling** using **modern web technologies**.
- Built and integrated **backend APIs and real-time features**, collaborating with the team to ensure scalable, **maintainable solutions**.

### Achievements

- Successfully delivered **core features and modules** that supported **real-world business workflows** and **long-term platform stability**.
- Recognized for **adaptability and consistent code quality**, contributing positively to team velocity and **delivery timelines**.

## TECH STACK

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|------------------------------------|--|
| Frontend                           | HTML5, CSS3 & CSS5, Bootstrap 5, JavaScript, React, TypeScript, Next.js, Meteor.js, Tailwind, Redux, UI Libraries                  |
| Backend                            | Node.js, Express.js, Hono, Nest.js   |
| Databases / ORM                    | MongoDB, PostgreSQL, SQL, Drizzle-ORM, Sequelize, Prisma   |
| DevOps / Tools                     | GitHub Actions, AWS, Docker, Vite  |
| API and Data Handling              | Rest APIs with OAuth 2.0, GraphQL  |
| Real Time Chat Integration & Cloud | Socket.io (Client+Server), AWS S3, Render, Vercel  |
| Applications & Tools Known         | Git, Visual Studio Code, Cursor, Basecamp, Sourcetree, Linear, Asana, Postman, GitHub, Meta Developer Tools, Docker, JIRA, Lovable |

## PROJECTS

### Acuity Insights – Formative Assessment Platform (LA Model)

*Formative assessment platform enabling schools and organizations to conduct structured, scenario-based tests.*

**Duration:** 4 Month

**Tech Stack:** Next.js, React, TypeScript, NestJS, MongoDB, PostgreSQL, Prisma, Material UI, Tailwind CSS, Figma

- Worked on the **Limited Availability (LA) model** of a **formative assessment platform** used by students, schools, and organizations.
- Implemented **backend enablement** and **LA-specific availability logic** to support **structured test scenarios**.
- Designed **PostgreSQL schemas** and executed **data migration from MongoDB to PostgreSQL** using **migration scripts and data dumps**.
- Collaborated on **UI implementation** by translating **Figma designs** into **responsive components** using **Material UI** and **Tailwind CSS**.
- Participated in **code reviews** and **Git-based workflows** to ensure **scalable** and **maintainable implementations**.

### Emersion Education– AI-Based Evaluation Platform

*Student-facing portal for competition discovery, submission, AI-based evaluation, and result declaration.*

**Duration:** 6 Months

**Tech Stack:** Next.js, React, JavaScript, Material Design 3, Stripe, REST APIs, Axios

- Developed a **student-facing competition portal** enabling **account creation, competition discovery, submissions, and result tracking**.
- Implemented **responsive UI screens** using **Next.js** by translating **Figma designs** based on **Material Design 3 (MD3) principles**.
- Integrated **REST APIs** for **registration, competition listing, submission flow, and result declaration**.
- Implemented **Stripe payment gateway** with **webhook handling** for **subscriptions, cancellations, and payment status updates**.
- Collaborated with backend teams to align frontend requirements with **Django-based APIs**, ensuring smooth **end-to-end workflows**.

## **Instagram DM – Private Replies Automation (SaaS Platform)**

*SaaS automation tool enabling businesses to send Instagram private replies triggered by public comments.*

**Duration:** 7 Months

**Tech Stack:** Next.js, Node.js, Hono (Bun), Nx Monorepo, MongoDB, OAuth 2.0, Meta Graph API, Render

- Built a **SaaS automation platform** to send **Instagram private replies triggered by public comments** using Meta's **Messenger Platform APIs**.
- Designed a **monorepo architecture** using **Nx**, separating **frontend (Next.js)** and **backend (Hono)** for clean scalability.
- Implemented **OAuth 2.0 authentication**, **webhook subscriptions**, and **long-lived token management** with **MongoDB**.
- Developed a **keyword-based message templating engine** and a **full-featured admin dashboard** for **rules, templates, logs, and monitoring**.
- Enabled secure **deployment** and **production-grade reliability** with **logging, error handling, throttling, and environment-based secrets**.

## **MediSync Pro – Medical Management Platform**

*Healthcare management system for centralized patient records, physician workflows, and hospital operations.*

**Duration:** 1 Year 2 months

**Tech Stack:** React, TypeScript, Redux Toolkit, Node.js, Express, MongoDB, Material UI, Nodemailer

- Developed **Admin and Physician panels** to manage **multi-hospital patient records, physician data, and medical history**.
- Implemented secure **backend APIs** using **Node.js** and **Express** to handle sensitive **healthcare data and workflows**.
- Integrated **email-based consent and approval workflows** using **Nodemailer with automated notifications**.
- Managed **global state** using **Redux Toolkit**, ensuring consistent **UI behavior across modules**.
- Optimized **MongoDB data models** and queries for **efficient storage and retrieval at scale**.

## **TalentMatch Hub – Skill-Based Resource Allocation Platform**

*Platform for aligning team skills with project requirements using real-time collaboration and analytics.*

**Duration:** 1 Year

**Tech Stack:** React, TypeScript, Node.js, Express, PostgreSQL, MongoDB, GraphQL, Socket.io

- Developed a **full-stack platform** with **Admin, Core, and Match panels** to manage **skill-based resource allocation**.
- Designed a **multi-database architecture** integrating **PostgreSQL** and **MongoDB** for **structured and unstructured data synchronization**.
- Built **GraphQL APIs** with complex queries and mutations for **flexible data access** in the Core module.
- Integrated **Socket.io** to enable **real-time communication** between **organizations and users**.
- Implemented **authentication, access control, and role-based permissions**, following **clean code** and **review practices**.

## **SOFT SKILLS**