Fransi Patel

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PROFILE SUMMARY

Computer Science graduate with hands-on experience as a Junior Software Developer at Zignuts Technolab, specializing in backend development using **Node.js, PostgreSQL,** and **Django**. Proficient in integrating cloud and third-party services such as **AWS (S3, SQS)** and **Stripe** for scalable and secure application solutions. Experienced in collaborative development using **Jira** for agile project management. Recognized for being a **fast learner** who quickly adapts to emerging technologies and contributes effectively to dynamic development environments. Passionate about writing clean, efficient code and building robust backend systems that enhance user experience and business performance.

EDUCATION

GSFC University, Vadodara, Gujarat   September 2021 – May 2025
Bachelor of Engineering, Computer Engineering
(CGPA : 8.25)

SKILLS

Familiar Tools: Jira, AWS S3, AWS SQS, Stripe, Stripe Connect

Languages & Technologies: Node.js, Express.js, PostgreSQL, JavaScript, Python, Django, FastAPI, Redis, Socket.io, HTML, CSS, React.js, Tailwind CSS

Soft Skills: Communication, Team Collaboration, Learning Agility, Adaptability, Problem-Solving

Other Competencies: API Integration, Backend Development, Cloud Services Integration, Debugging, Requirement Analysis

WORK EXPERIENCE

Junior Software Developer, Zignuts Technolab   July 2025 – Present
- Contributed to backend development for a major client project using **Node.js** and **PostgreSQL**, focusing on scalable API design and performance optimization.
- Implemented **Stripe** and **Stripe Connect** for secure online payments and automated transaction workflows.
- Integrated **AWS S3** for cloud-based file storage and **AWS SQS** for asynchronous message handling, enhancing system reliability and scalability.
- Collaborated closely with cross-functional teams using **Jira** to plan sprints, resolve issues, and ensure timely delivery.
- Followed best coding practices, performed code reviews, and optimized database queries for better performance.

Software Developer Intern, Zignuts Technolab   January 2025 – June 2025
- Gained hands-on experience in backend development, focusing on **real-time communication** using **Socket.io** and caching with **Redis**.
- Implemented scheduled tasks using **Cron jobs** for data synchronization and automated updates.
- Assisted in developing internal tools and APIs to improve data handling efficiency.
- Strengthened understanding of backend architecture, RESTful API design, and database interactions.

Web Developer Intern, BlackID Solution, Vadodara   February 2023 – March 2023
- Contributed to the design and development of a website, ensuring a responsive and engaging user experience across multiple devices.
- Translated **UI/UX mockups** into fully functional, visually appealing, and user-friendly web pages.
- Implemented **interactive front-end features** such as category filters and dynamic navigation to enhance usability.
- Optimized **website performance** through UI/UX refinements and adherence to front-end best practices.

PROJECTS

Event Management System (Django REST Framework, PostgreSQL, SMTP)
- Developed a **backend-only Event Management System** using **Django REST Framework**, providing secure and scalable APIs for event creation, registration, and management.
- Implemented **admin** and **user role** with authentication and permission controls, enabling management of events, users, and system configurations.
- Built APIs for image uploading and storage with proper validation and optimized file handling, and integrated automated email notifications using SMTP for event confirmations, updates, and admin alerts.

- Designed normalized database models to handle event data, user details, registrations, and permissions efficiently.
- Ensured API performance through query optimization, pagination, and best REST practices.
- Added proper error handling, input validation, and modular code structure to improve maintainability and API reliability.

Luxury E-Commerce Frontend Interface (React.js, Tailwind CSS)
- Designed an editorial-style interface for luxury timepieces, using **slow-motion visual effects** to highlight the intricate craftsmanship of the watch dials.
- Engineered a premium, tactile user experience where buttons magnetically attract the cursor and elements glide smoothly into view, mimicking a native mobile app.
- Implemented a dynamic **"Day & Night" theme** engine, allowing customers to instantly switch the website's look between a bright, clean aesthetic and a dramatic dark luxury mode.
- Created a custom-branded **interactive map** for the boutique locator that matches the website's color palette, replacing generic maps with a sophisticated tool for finding store locations.
- Built a lightning-fast interface where product images and details load instantly without screen flashes or reloads, ensuring a seamless shopping experience.

Task Manager Application (Django REST Framework, PostgreSQL)
- Developed a **Task Manager application** with full **CRUD operations** for creating, updating, deleting, and retrieving tasks.
- Implemented **task status management**, allowing users to mark tasks as *pending*, *in-progress*, or *completed*.
- Designed secure and scalable REST APIs with proper validation, error handling, and authentication.
- Structured the backend for clean modularity and efficient database interactions to ensure smooth task management workflows.

Student Management System (Node.js, Express.js, PostgreSQL)
- Developed the complete **backend architecture** for a Student Management System using Node.js and PostgreSQL, implementing secure and scalable REST APIs.
- Built **authentication and role-based access control** for Admin and Students, enabling protected access to different system features.
- Implemented CRUD APIs for **Students and Parents**, allowing admins to add, update, list, delete, and search student records.
- Created relational database models for students, parents, and their associations, ensuring structured and normalized data management.
- Added APIs for **profile management**, enabling students to view and update their own information.
- Ensured full input validation, proper error handling, and modular backend structure following best coding practices.

Library Management System (Node.js, Express.js, PostgreSQL)
- Built the complete **backend system** for a Library Management Application using Node.js and PostgreSQL, implementing secure and scalable RESTful APIs.
- Developed **user registration and login** functionalities with token-based authentication (JWT), ensuring secure access and personalized user operations.
- Implemented an **Admin module** with full CRUD functionality for managing Books and Authors, including APIs for creating, updating, listing, searching, and deleting records.
- Designed relational database schemas to manage **books, authors, publications, and their metadata**, including support for book cover images and author profiles.
- Added robust **input validation, error handling, and data integrity checks** to ensure reliability of all API interactions.
- Followed best practices for backend architecture, modular code structure, and optimized database queries for high performance and scalability.

CERTIFICATIONS

- NPTEL Cloud Computing
- Google Analytics for Beginners
- Advanced Google Analytics
  Certificates