

Trupal Patel

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Technical Skills

Languages: TypeScript, JavaScript, Python, Java, C++, SQL, C#

Frontend & Mobile: React.js, Angular, HTML5, CSS3, Redux Toolkit, Flutter

Backend & Cloud: Node.js, Express.js, Python/FastAPI, REST APIs, Google Cloud Platform, AWS S3

Databases: PostgreSQL, MongoDB, Oracle, Elasticsearch, MySQL

Tools & Concepts: Generative AI (LLMs), Git, Docker, CI/CD, Agile/Scrum, System Design

Professional Experience

Allyvia

Los Angeles, CA

Founding Software Engineer

Jul 2025 – Apr 2026

- Led the end-to-end development of scalable enterprise workflow applications, autonomously managing complex frontend architectures and designing backend REST APIs using React.js, TypeScript, Node.js, and SQL.
- Investigated and resolved complex production issues across frontend interfaces, backend APIs, and database layers to ensure robust software reliability and secure financial workflows.
- Operated within strict Agile development environments, executing rigorous requirement analysis, code reviews, and CI/CD pipeline integrations to ship robust, full-stack features.

AIVID.AI

Ahmedabad, India

Software Engineer

Jan 2023 – Jun 2025

- Developed enterprise-level analytics applications and complex data processing pipelines deployed across over 200 production sites utilizing Angular, TypeScript, Node.js, and Python.
- Applied deep database design and optimization principles to improve Elasticsearch query performance by approximately 25%, drastically enhancing system speed and reliability at scale.
- Designed and managed robust reporting workflows and automated background services while utilizing Oracle databases for advanced data management.

InfoLabz IT Services Pvt. Ltd.

Ahmedabad, India

Frontend Software Engineer

Jan 2022 – Dec 2022

- Developed scalable, responsive web applications utilizing modern web standards including HTML5, CSS3, JavaScript, and React.js.
- Improved application performance through reusable component architecture and streamlined state management with Redux.
- Worked closely with cross-functional teams and designers to integrate RESTful APIs, resolve UI defects, and maintain production environments.

Projects

AI-Powered Logistics & Forecasting Agent

Independently architected a smart shipping agent by integrating the ShipStation REST API to automate real-time quote generation, validate charges, process checkouts, and execute automated label printing.

Implemented advanced Generative AI capabilities via LLM integration to handle predictive forecasting by continuously analyzing daily inventory alongside external weather data, generating automated daily insight pop-ups for operational teams.

StoreDesk: Enterprise Retail Operations Platform

Independently architected and built a comprehensive management ecosystem from the ground up as a solo developer to securely orchestrate real-time inventory synchronization, transaction processing, and vendor management.

Built the frontend interface using React.js and TypeScript, and designed the backend REST APIs with Node.js and MongoDB to ensure seamless, end-to-end full-stack data flow.

Contact Convoy: Smart Digital Contact Platform

Built an AI-integrated application utilizing Flutter, Node.js, MongoDB, and AWS S3 to bridge theoretical artificial intelligence concepts with practical, user-facing software development.

Education

California State University Channel Islands

Master of Science, Computer Science

Jan 2025 – May 2026

Gujarat Technological University

Bachelor of Engineering, Computer Engineering

Aug 2019 – Jul 2023

Certifications

AI Mastery Certificate Cal Poly Digital Transformation Hub

2025

Meta Front-End Developer Professional Certificate Meta

2024