Project Satori: AI Career Advisor
Guiding India's Future, One Career at a Time

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The Challenge: Navigating the Career Maze

The Problem

For millions of students across India, choosing a career path feels like standing at a daunting crossroads with a thousand branching paths and no map. They are inundated with generic advice but starved for guidance that speaks to their unique skills and dreams.

The Consequence

This leads to decision paralysis, missed opportunities, and a generation of talent struggling to find their place. Students need a trusted co-pilot for their career journey.

Our Solution: Meet Satori

Project Satori is an intelligent, full-stack career advisor built to replace confusion with clarity. We provide a seamless, end-to-end platform that empowers students to discover, plan, and pursue their ideal careers with confidence.

1. **Discover Your Path**: Our **Career Compass** assessment goes beyond surface-level questions to understand the user's core identity.
2. **See Your Future**: The AI, powered by **LangChain + Gemini Pro**, generates **personalized career recommendations**.
3. **Build Your Dream**: Satori then crafts a **detailed, week-by-week learning roadmap**.
4. **Never Walk Alone**: Our **conversational AI Mentor** is available 24/7 for context-aware guidance.

What Makes Satori Unique?

End-to-End Platform While other resources are fragmented, Satori unifies the entire process: discovery, planning, and mentorship are all in one place.

A Mentor That Remembers Our stateful AI Mentor understands context and remembers past conversations, providing continuous, interactive support.

Intelligence with Purpose We use distinct AI agents for recommendations, roadmaps, and mentorship, ensuring nuanced and accurate guidance.

Core Features

- **Secure JWT Authentication**: For a safe and personalized user experience.
- **Career Compass Questionnaire**: An interactive deep dive into a user's potential.
- **AI-Powered Recommendations**: Not just jobs, but tailored career callings.
- **AI-Generated Learning Roadmaps**: A step-by-step, actionable blueprint.
- **Stateful Mentor Chat**: An always-on AI companion for continuous guidance.
- **Modern UI/UX**: A beautiful, responsive interface (React + Tailwind).
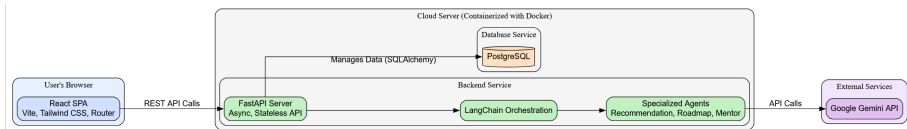- **Unified API Schema**: A robust and predictable backend.

Figure: The Satori user journey, from sign-up to ongoing mentorship.

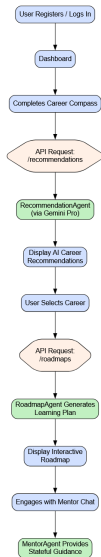# Our Architecture: Built for Scale and Performance

Figure: Our high-level system architecture.

The Tech Stack

Frontend

- React & Vite
- Tailwind CSS
- react-router-dom

Backend

- Python & FastAPI
- SQLAlchemy 2.0 (async)

AI

- LangChain
- Google Gemini Pro
  (gemini-2.5-flash)

Database & DevOps

- PostgreSQL
- Docker & Docker Compose
- Poetry

Business Viability: Lean, Scalable, & Cost-Effective

Our architecture is not just powerful—it's incredibly efficient.

- **Lean Infrastructure**: The entire MVP runs seamlessly in a containerized environment on a single, low-cost VM.
- **Elastic Costs**: Our primary operational expense is the Gemini API, a pay-as-you-go service. Costs scale directly with user engagement.
- **MVP Ready**: With development complete, we have a market-ready product with minimal initial overhead.

Thank You

Project Satori