

Naveen Raj

Full Stack Developer

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SUMMARY

Full-stack developer specializing in TypeScript, Next.js, Node.js, and FastAPI, with a growing focus on AI/ML and agent-native tooling. Experienced building AI-native healthcare platforms and modern telemedicine products, combining strong technical execution with a deep understanding of healthcare workflows. Focused on turning ambitious product ideas into well-structured, production-ready systems — curious, fast-moving, and detail-oriented.

EXPERIENCE

Full Stack Developer — alphaesAI · Full-time May 2025 – Present
Hybrid

- Build healthcare applications across frontend, backend, APIs, authentication, and clinical workflows using Python, FastAPI, PostgreSQL, TypeScript, and Next.js.
- Design structured relational models and APIs for HL7 FHIR resources, including Patient, Practitioner, Organization, Appointment, Encounter, Observation, Condition, DiagnosticReport, MedicationRequest, Procedure, Schedule, and Slot.
- Develop a GraphQL/BFF layer for business logic, validation, resource aggregation, caching, and healthcare workflow orchestration.
- Build clinical workflows covering patient registration, practitioner management, scheduling, appointments, encounters, clinical documentation, and data extraction.
- Develop healthcare terminology infrastructure involving SNOMED CT, LOINC, RxNorm, and ICD-10.
- Build IAM and authorization using BetterAuth, OAuth 2.1, PKCE, JWT, JWKS, RBAC, and organization-level access control.
- Build clinical interfaces for AI-assisted documentation and clinical data extraction, allowing healthcare professionals to review and validate extracted information.
- Integrate healthcare services with external AI and voice-processing systems through controlled APIs and authorization boundaries.
- Deploy services using Docker, GHCR, Nginx, Linux, and VPS infrastructure.

Full Stack Developer — alphaesAI · Internship Jan 2025 – Apr 2025
Remote

- Developed full-stack features using TypeScript, Next.js, React, Node.js, Python, and FastAPI.
- Built REST APIs, database integrations, authentication flows, and reusable frontend components.
- Worked with Git, Docker, debugging, and application deployment before transitioning to a full-time role.

EDUCATION

SRMIST, Kattankulathur, Chennai ,Tamil Nadu Jul 2023 – May 2025
Master of Computer Applications - MCA, Computer Science

Sri Sankara Arts and Science College Jul 2020 – May 2023
Bachelor of Science, Computer Science

SKILLS

Healthcare	HL7 FHIR, FHIR R4, EHR/EMR, Clinical Data Modeling, Healthcare APIs, SNOMED CT, LOINC, RxNorm, ICD-10, Interoperability
Backend	Python, FastAPI, SQLAlchemy, Pydantic, TypeScript, Node.js, REST APIs, GraphQL, Async Programming
Frontend	React, Next.js, TypeScript, Tailwind CSS, Radix UI, ShadCN UI
Database	PostgreSQL, Redis, Prisma, SQL
Identity & Authorization	OAuth 2.1, PKCE, JWT, JWKS, BetterAuth, RBAC, ABAC, Multi-tenancy
Infrastructure	Docker, Docker Compose, Git, GitHub Actions, GHCR, Nginx, Linux, VPS Deployment
AI Integration	AI-assisted Clinical Documentation, Clinical Data Extraction, Speech-to-Text Integration, LiveKit, MCP/FastMCP