

Vishal Nagda

Senior Backend Developer & Project Lead

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Backend engineer with 8+ years designing and shipping scalable, secure systems across healthcare, sports, AI and enterprise domains. I lead backend teams and architecture end to end, from microservices and SSO to AI/RAG pipelines and cloud deployments. Currently a Sr. Backend Project Lead at TruDoc, the Middle East's largest telehealth provider, where I lead backend architecture and a team of developers building the platform behind virtual care and Hospital at Home.

EXPERIENCE

Sr. Backend Project Lead

Aug 2025 - Present

TruDoc · Dubai, UAE (Remote)

The Middle East's largest telehealth provider: 24/7 virtual care, home health and Hospital at Home®, serving 25M+ people.

- Lead backend architecture and delivery for the core telehealth platform services in Go.
- Lead a team of backend developers, owning planning, code review, mentoring and delivery.
- Built TruDoc's Hospital at Home (HAH) platform for the Saudi (KSA) market, delivering remote monitoring and care for long-term and post-ICU patients on Go, MySQL, Redis and Docker Swarm.
- Designed and built a dedicated SSO service and a communication service on the same Go microservices stack.
- Built two WhatsApp care bots on n8n and the Wati API: Async Care, a doctor-consultation callback bot, and Chronic Refill, a medicine-refill bot for chronic patients.
- Introduced Redis-backed caching and Docker Swarm orchestration for scalable, resilient deployments.

Senior Software Engineer / Sr. Backend Lead

Feb 2024 - Jun 2025

Go Tech Solution · Udaipur, India

Product & AI engineering for international clients.

- Led TechNow GmbH's internal AI GPT platform (TNGPT & aIQ) as project lead.
- Built a custom RAG pipeline with LangChain, HuggingFace and Ollama across multiple LLMs.
- Integrated Microsoft SSO and Graph (Azure Identity, MSAL) so users could chat over their OneDrive and shared files.
- Used spaCy and NLTK for NLP processing and managed microservices for distinct operations.

Senior Associate Consultant

Dec 2019 - Apr 2021

Infosys · Pune, India

Enterprise product development and consulting.

- Built Node.js project-management and automation scripts for product teams.
- Delivered Power BI dashboards and analytics.
- Enhanced test coverage and reliability across products.

Sr. Software Engineer

Mar 2018 - Sep 2019

Cartoon Mango Studios · Bengaluru, India

Backend engineering for high-traffic consumer products.

- Led backend architecture for Cricket.com: News/Article microservices, a Scoring microservice and an API Gateway.
- Integrated Okta SSO for user authentication and Firebase for push notifications.
- Built on Node.js and MongoDB with Docker containerization and Redis caching.
- Mentored junior developers in JavaScript and backend practices.

Full Stack Developer

Jul 2016 - Feb 2018

GKMIT · Udaipur, India

Where it started: from intern to core architect.

- Started as an intern learning Ruby, jQuery and AJAX, then advanced into Ruby on Rails development.
- Architected the core of client projects and owned production deployments.
- Managed third-party communications and API integrations.
- Practiced test-driven development.

SKILLS

Languages: Go, JavaScript, Python, PHP, Ruby, SQL

Backend & Frameworks: Node.js, Express.js, Flask, Django, Laravel, Hapi.js, Knex.js, Ruby on Rails, Electron.js

Databases & Caching: MySQL, PostgreSQL, MongoDB, Redis, ChromaDB, Mongoose

AI / LLM: LangChain, HuggingFace, Ollama, RAG, spaCy, NLTK, n8n

DevOps & Cloud: Docker, Docker Swarm, AWS, Nginx, GitLab CI/CD, Git

Integrations & Auth: Microsoft SSO / Graph, Azure Identity / MSAL, Okta SSO, Wati (WhatsApp), Firebase

Leadership: Project Lead, Team Lead, Project Management, Mentoring

SELECTED PROJECTS

Hospital at Home (HAH)

TruDoc · KSA

TruDoc's platform for 24/7 remote monitoring and treatment of long-term and post-ICU patients at home, built for the Saudi (KSA) market. I own the backend services, orchestration and caching layer.

Go · MySQL · Redis · Docker Swarm

Async Care

TruDoc · Telehealth Consultation Bot

A WhatsApp bot that books doctor-consultation callbacks for patients, running automated care workflows on n8n and the Wati API.

n8n · Wati API · WhatsApp

Chronic Refill Bot

TruDoc · Medicine Refills

A WhatsApp bot that lets chronic patients reorder their regular medication through guided, automated flows on n8n and the Wati API.

n8n · Wati API · WhatsApp

SSO & Communication Services

TruDoc

Dedicated single sign-on and communication microservices for the telehealth platform, built on a shared Go + MySQL + Redis stack deployed with Docker Swarm.

Go · MySQL · Redis · Docker Swarm

TNGPT & aIQ

TechNow GmbH · via Go Tech

Internal offline & online ChatGPT-style platform. Custom RAG with LangChain, HuggingFace and Ollama, Microsoft SSO/Graph so users can chat over their OneDrive files, and NLP via spaCy & NLTK.

Python · LangChain · Ollama · Microsoft Graph · spaCy

Cricket.com

Cartoon Mango

Backend for a high-traffic cricket platform: News/Article microservices, a Scoring microservice aggregating third-party feeds, and an API Gateway. Okta SSO, Redis caching and Firebase notifications.

Node.js · MongoDB · Redis · Docker · Okta

mern-jwt-auth

Open source · 47

Minimal full-stack MERN starter with authentication using Passport and JWTs. One of my most-starred repos.

React · Node.js · Express · MongoDB · JWT

EDUCATION

Master of Computer Applications (MCA)

2014 - 2016

Vellore Institute of Technology · Computer Software Engineering · 78.20%

Bachelor of Computer Applications (BCA)

2011 - 2014

Mohanlal Sukhadia University · Computer Software Engineering

CERTIFICATIONS

Programming for Everybody (Getting Started with Python) · Cybersecurity for Everyone · Node and Express Essentials · Programming with JavaScript · Developing Back-End Apps with Node.js and Express