Vishwam Dhavale

Software Developer

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Profile

Founding Engineer specializing in scalable backend architecture, large-scale data systems, and AI-driven workflow automation. Experienced in building and optimizing production full-stack platforms from zero to scale. Portfolio: https://vishwamdhavale.com/

Experience

Founding Engineer — Frover (Frover Labs Pvt. Ltd.)   Oct 2023 – Present

- Led system architecture and backend design for a production influencer marketplace from inception to deployment
- Engineered scalable full-stack platform using Next.js, Node.js, MySQL, and Redis with modular service structure
- Designed relational schema and ingestion pipelines powering a 50K+ influencer dataset (Instagram & YouTube)
- Integrated YouTube OAuth2 and Meta Graph APIs with secure account linking, analytics processing, and rate-limit handling
- Implemented cosine-similarity–based scoring system using engagement features (likes, metrics) for influencer ranking; later evaluated migration toward RAG-based retrieval architecture
- Built agentic workflow infrastructure on Cloudflare Workers enabling autonomous task orchestration and distributed execution
- Implemented messaging automation, email workflows, and task execution systems
- Optimized backend performance, query efficiency, and SEO architecture for production scalability

Frontend Developer Intern — Magica Infotech LLP   Jul 2023 – Sep 2023

- Built reusable UI components and integrated 15+ APIs using Next.js
- Improved frontend performance and responsiveness using Tailwind CSS

Education

B.E. Computer Engineering — Goa College of Engineering	2021 – 2024
Diploma in Electronic & Communication Engineering — Govt. Polytechnic Bicholim	2018 – 2021

Projects

SugarSense — Mobile Health Monitoring App (React Native CLI, Firebase)

A cross-platform mobile application for tracking health metrics with real-time notifications.

- Built secure authentication and cloud data storage using Firebase
- Implemented FCM-based push notifications with background handling

BookHub — Collaborative Note Platform (Next.js, TipTap, Supabase)

A cloud-based rich-text editor designed for collaborative writing and structured knowledge management.

- Developed real-time collaborative editing with persistence and version control
- Improved content discovery accuracy by 40% through ranking and recommendation logic

StreamForge — Video Hosting Platform (Node.js, MongoDB, Cloudinary)

A scalable video platform supporting secure uploads, channels, and optimized media delivery.

- Implemented JWT-based authentication and role-based access control
- Integrated Cloudinary for optimized media storage and streaming delivery

Technical Skills

Languages: JavaScript, TypeScript, Python, SQL, PHP
Backend: Node.js, Express, REST APIs, OAuth2, JWT, RBAC
Databases: MySQL, MongoDB, Redis
Cloud/Infra: Cloudflare Workers, AWS, GCP, Serverless, Linux-based environments
Frontend: React, Next.js, Tailwind CSS, Shadcn/UI
APIs: YouTube Data API, Meta Graph API, Zoom API, Payment Gateways
AI: LLM Integrations, Agentic Workflows

Certifications

TypeScript 5+ Fundamentals — Frontend Masters — **Advanced JavaScript** — Scrimba — **Retrieval-Augmented Generation (RAG)** — Scrimba — **Software Testing with Jira & Agile** — Udemy — **Joy of Computing in Python** — NPTEL — **Google Cloud Computing** — NPTEL — **Privacy and Security in Online Social Media** — NPTEL — **Blockchain and Its Applications** — NPTEL