

VIMAL JAISWAL

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PROFESSIONAL SUMMARY

Innovative and results-driven **Software Engineer** with around 4 years of experience spanning **full-stack web application development**, **API design**, **system integration**, and **cloud infrastructure**. Adept at building scalable, high-performance solutions and crafting seamless user experiences. Committed to continuous learning and delivering impactful software.

WORK EXPERIENCE

Fractal Analytics

Software Development Engineer

Bangalore, India

February 2025 - Present

- Designed and developed an **enterprise-grade AI assistant platform** enabling users to create, organize, and execute complex **workflows**, **data-driven notebooks**, and **visual canvases** for internal analytics and research.
- Engineered a **modular frontend architecture** using **Next.js** and **Tailwind CSS** for interactive user experiences, integrating **real-time collaboration**, **rich text editing**, and **customizable data visualization** components.
- Built scalable **backend services** utilizing **LangChain**, **FastAPI**, and **Langfuse** for **prompt orchestration**, **semantic search**, and **vector-based context retrieval** in large language model applications.
- Implemented **secure storage and retrieval** of user data and **knowledge graphs** using **Azure Blob Storage** and **Azure Vector Search**, with robust access controls and **audit logging**.
- Orchestrated distributed infrastructure with **Kubernetes** for container management, supporting auto-scaling and high availability.

Daffodil Software

Software Development Engineer

Gurgaon, India

January 2022 - February 2025

- Developed a scalable **loan management system (LMS)** for a fintech client using **NestJS**, **Next.js**, **MySQL**, and **event-driven architecture** with **BullMQ**, enabling real-time loan cycle updates and a dynamic, user-friendly frontend.
- Integrated multiple **third-party adapters** for onboarding, document verification, and risk profiling, reducing application processing time by 70%.
- Streamlined **eKYC verification** via integration with 3rd party providers in **NextJS** and **NodeJS** APIs, achieving a 95% approval rate and boosting customer acquisition.
- Built a robust **NodeJS-based Enterprise Service Bus (ESB)** to manage 29 services with **pm2**, simplifying architecture by removing message transformation overhead.
- Designed an efficient image and video processing pipeline with **GCP Pub/Sub** and **NodeJS**, optimizing processing speed through scheduled tasks.

HWS LLC

Frontend Engineer (Intern)

Remote

April 2021 - July 2021

- Developed an intuitive and visually appealing student quiz and Q&A platform using **React**, **Redux**, and **Material-UI**, ensuring a seamless and responsive user experience for both students and subject experts.

SKILLS

Technologies:	React, NextJS, Tailwind, NodeJS, NestJS, Express, FastAPI, LangChain, Langfuse, Docker, Kubernetes, AWS, Azure, Kafka, Microservices
Languages:	TypeScript, JavaScript, Python, GoLang, Java, HTML5, CSS3
Databases:	MongoDB, PostgreSQL, MySQL
Tools & OS:	Git, Windows, Linux

PROJECTS

Offline YouTube Music Syncer *NodeJS, TypeScript, MongoDB, OAuth2.0, Docker*

<https://github.com/vimaljais/ytm-hoader-backend>

Developed an app designed to enhance the music listening experience for users in internet-limited environments. The application features Google authentication for user sign-up and seamless integration with YouTube Music.

EDUCATION

Rungta College Of Engineering and Technology

Bachelor of Engineering Computer Science *GPA: 9.10*

Bhilai, India

August 2018 - June 2022

HONORS

Who hit the homerun today?

Recognized for exceptional commitment and adaptability in mastering new tools and technologies as required by client projects.

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January 24, 2023