

Vishal Panchal

Front-end | Back-end | Software Development Engineer | Freelancer

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Summary

Full-Stack Developer with 2 years of experience in JavaScript, Typescript Node.js, MERN stack, and MongoDB/PostgreSQL. Experienced with AWS services and CI/CD pipelines. Strong foundation in AWS services, including S3 and EC2, and adept at implementing CI/CD pipelines.

Technical Skills

Languages: C++, JavaScript, HTML/CSS, Typescript

Frameworks/Libraries: React.js, Redux.js, NextJS, websockets, Prisma, Tailwind, GraphQL Material-UI, shadcn UI

Databases: MySQL, MongoDB, Redis, PostgreSQL

Dev/Deployment: Docker, CI/CD, GitHub Actions, AWS(S3, EC2, ECS, ECR), Postman, Git, Github, Vercel, Netlify, Linux

Education and Certifications

MCA – Computer Application

TIMT college Yamunanagar (7.5 CGPA)

Certificate – Full-Stack Development

By- CrioDo

Aug 2020 - Jul 2022

Yamunanagar (Haryana), India

Nov 2022 - June 2024

Project based learning (Remote)

Experience

Freelancer

Part time

Aug 2023 - Current 2024

Remote

- Implemented **SEO** best practices, leading to a **15%** increase in organic traffic and improving search engine ranking.
- Architected and deployed a micro-services based projects for clients with **Node.js**, **Typescript**, and **Next.js**, leveraging Docker, AWS services, and Kafka / Redis to enhancing scalability and system maintainability

Open Access Technology India

Associate Software Developer

Aug 2022 - July 2023

Remote

- Engineered a **caching** mechanism that reduced server response times by **50%**, increase **20%** application performance.
- Designed **micro-service** architectures for both **front-end** (React) and **back-end** (Node.js, PostgreSQL) components, leading to a robust and scalable application.
- Led the development of a real-time chat feature using **WebSockets**, resulting in a **20%** increase in user engagement.

Projects

Project Builder | Demo | [🔗](#)

[April 2024 - Present]

- Utilized **ECR** for container image management and employed **S3** for build storage, enhancing reliability and scalability.
- Integrated Kafka and ClickHouse for real-time log streaming, reducing logging costs by **20%** and improving deployment speed by **25%**.
- Created **docker** images, deployed them to ECR, and streamed logs to **ClickHouse** via **Kafka**, improving log management.
- Implemented **CI/CD** using **webhooks** and GitHub Actions, enabling **auto-deploy** on commit, and added user authentication with GitHub integration for streamlined deployments.

Twitter | Project Link | [🔗](#)

[April 2024 - May 2024]

- Created a Twitter-like application using **Next.js** with user authentication, tweet posting, a following/follower system, real-time updates, and a user recommendation system with Server-side rendering.
- Utilized **PostgreSQL** as database and **GraphQL** to fetch necessary data, enhance application scalability & performance.
- Integrated **Redis** for **caching** expensive queries like user recommendations, improving **speed** by **30%** and reducing database **load** by **40%**.
- Deployed on **EC2** with a **load balancer** for high availability and scalability, enhancing security with CloudFront for secure connections and data integrity.

Real-Time Messenger | Project Link | [🔗](#)

[Aug 2023 - Nov 2023]

- Developed a responsive messaging app with **Next.js** for the front-end and NextAuth for authentication, using PostgreSQL for flexible and scalable data storage.
- Utilized **web sockets** for real-time messaging and **AWS S3** for efficient image uploads and content delivery.
- Implemented features including file sharing, group chat functionality, and chat room management, enhancing user interaction and collaboration.