




Vivek Singh

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Full Stack Developer with hands-on experience in developing and implementing applications and solutions using a range of technologies and programming languages. Seeking to leverage broad development experience and hands-on technical expertise in a challenging role as a Full Stack Developer.

Education

2021 – 2025


Bachelors of Technology

National Institute of Technology, Srinagar | Chemical Engineering

Projects

BlogIt

ReactJS, Express, Postgresql, Prisma, Cloudflare Worker, AWS, Tailwind

- <https://github.com/BeBAKE/BlogIt> 
- **Developed a dynamic blogging platform**
- Built a scalable **serverless backend** with **Hono**, leveraging **Prisma ORM** and **PostgreSQL**.
- **Implemented a real-time WebSocket server** using **Express.js (TypeScript)** for autosave functionality.
- Using **AWS S3** to store images. Wrote **Jest unit** and integration tests covering UI components and API mocks.
- Employed DevOps methodologies including Docker-based deployment, CI/CD automation (**GitHub Actions**), and **cloud-compatible architecture**, ensuring reliable and scalable production releases.

Full Stack E-Commerce App

Reactjs, Expressjs, Tailwind, MongoDB, Mongoose

- Developed a **React-based shopping app** with a dynamic product catalog and real-time cart functionality.
- Implemented **skeleton structures** for optimistic loading and **lazy loading** to optimize performance.
- Utilized **Tailwind** for responsive styling and **Recoil** for efficient state management.
- Integrated **RESTful APIs** to ensure seamless data handling and a polished user experience.

Bio-Info — PubMed Research Analysis Tool

Python, Biopython, Pandas, Requests, Poetry, Pytest

- Built CLI to fetch PubMed papers and identify authors affiliated with pharma/biotech.
- Managed dependencies with Poetry; enforced **Black, MyPy, unit tests (Pytest)**.

DockerDeploy

Docker, Docker Compose, Nginx, Bash

- **Automated Docker Workflows:** Utilized **Docker** and **Bash scripting** to automate deployment workflows, ensuring seamless compatibility across **AWS, GCP, and Azure**.
- **Multi-Service CI/CD:** Leveraged **Docker Compose** for orchestrating multiple services and **CI/CD (GitHub Actions)** for efficient, automated pipelines.

Skills

Languages: Python, Java, Typescript, Javascript, Remix

Backend Technologies: Node.js/Express.js, Hono,

Frontend Technologies: Next.js, React.js, HTML, CSS, TailwindCSS, Recoil, Webpack, Vite

DevOps Technology: Docker, Nginx, CICD (GitHub Actions), Bash Scripting

Database and ORM: MongoDB, PostgreSQL, Prisma ORM, Mongoose ODM, MicroORM

Cloud: AWS, Cloudflare Workers (Serverless)

Agile Methodologies and Testing: Scrum, Jest

Tools and Relevant Software: Git/Github, VsCode, Linux

Certificates

- 100xdevs Certificate of Achievement (link) 