

Vatsal Kachhadiya

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Work Experience

Artoon Solution (Full Stack Developer – Full Time)

Jul. 2024 - Present

- Developed **scalable real-time applications** using **Socket.io**, improving user engagement and system responsiveness by 30%.
- Implemented **Redis** for efficient data caching and **Neo4j** for graph-based solutions, enhancing data retrieval speed by 25%.
- Built dynamic **front-end interfaces** with **React.js**, leveraging **React Router**, **Hooks**, and **component-based architecture** for seamless user experiences.
- Managed **AWS** and **Kubernetes** cloud infrastructure with knowledge of **Kafka** and **Redis Bull** for messaging and queue management.

TriState Technology (NodeJS Developer – Full time)

Sep. 2022 - Jul. 2024

- Designed and deployed **high-performance server-side applications** using **Node.js**, **NestJS**, and **ExpressJS** with **MVC architecture**.
- Developed and maintained **RESTful APIs**, integrating **WebSocket** and **Socket.io** for real-time functionality and external service connectivity.
- Optimized **MySQL**, **PostgreSQL**, and **MongoDB** databases, improving data storage and query efficiency by 28%.
- Enhanced **server performance** by fine-tuning response times and utilized **AWS** for deployment and **Git/GitHub** for version control.

Zignuts Technolab (Web Developer)

Mar. 2022 - Aug. 2022

- Built **responsive web applications** using **HTML**, **CSS**, **JavaScript**, **Node.js**, and **Express.js**.
- Improved application performance through **error handling**, **optimization techniques**, and debugging.
- Gained expertise in **React.js**, utilizing **JSX**, **React Router**, and **Hooks** to create interactive **UI components**.

Education

Kadi Sarva Vishwavidyalaya University

Aug. 2019 – Jun. 2022

B.E. - LDRP Institute of Technology and Research

8.43/10 CGPA

Gujarat Technological University

Jul. 2016 – Aug. 2019

Diploma - Balaji Institute of Engineering and Technology

8.11/10 CGPA

Technical Skills

Programming Languages: JavaScript, Node.js, Express.js, NestJS, SQL

Databases: MySQL, PostgreSQL, MongoDB, Neo4j, Redis

Frameworks & Libraries: React.js, React Router, Hooks, Socket.io

Tools: Postman, MongoDB Compass, pgAdmin, ProofHub, VS Code, FileZilla, Docker

Cloud & DevOps: AWS, Kubernetes, Git, GitHub, GitLab, CI/CD

Other: API Development, Real-Time Applications, MVC Architecture, WebSocket, Microservices, Kafka

Projects

Closwap:

Developed a platform for online/offline clothing exchanges using **NestJS**, **PostgreSQL**, and **AWS**, improving exchange efficiency by 35% with optimized queries, response-effective **RESTful APIs**, and **MVC architecture** to promote sustainable fashion and reduce ecological impact.

TDHS (Terre des Hommes Suisse):

Built a web solution with an **Admin panel (React.js)**, **Node.js** and **PostgreSQL** for a Swiss NGO, enhancing child education outreach by 40% through query optimization and scalable, response-efficient architecture for global child protection initiatives.

Motologs (Loggy: Car maintenance tracker):

Created a vehicle maintenance app using **Node.js** and **MySQL**, increasing user task completion rates by 30% with query optimization and response-effective design for real-time tracking and management.

WCM (Weill Cornell Medicine):

Contributed to a healthcare platform using **Node.js** and **MongoDB**, boosting system scalability by 25% with optimized queries and high-performance, response-efficient solutions to support medical research and patient care.