

# Aayush Vaghela

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## Skills

- C# | Java | JavaScript | TypeScript | C++ | C | Python | SAS | MYSQL | Node | Express | React | jQuery | NoSQL | Git | Linux
- Azure | AWS | GCP | Cloud Computing | CI/CD | Jenkins | Terraform | Kafka | Docker | Kubernetes | Containerization
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack

## Work Experience

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|---|------------------------|------------------------|------------------------|
| <b>Software Developer</b>   | <b>Mamo Technolabs</b> | <i>Vadodara, India</i> | <b>12/24 - Present</b> |
| <ul style="list-style-type: none"><li>• <b>Designed and implemented a scalable backend architecture</b> for a payment product using <b>Node.js</b>, employing <b>Express.js</b>, <b>TypeScript</b>, and <b>MongoDB</b> within a <b>microservices architecture</b> to ensure high performance and maintainability.</li><li>• <b>Developed secure and efficient RESTful APIs</b> using <b>Node.js</b>, <b>Express.js</b>, and <b>TypeScript</b>, integrating third-party payment gateways, ensuring compliance with <b>PCI DSS</b>, and streamlining delivery processes through <b>Jenkins-based CI/CD pipelines</b>.</li><li>• <b>Optimized backend performance</b> through the use of <b>Node.js core modules</b>, <b>asynchronous programming</b>, and tools like <b>Redis</b> for caching, enabling seamless microservices communication and improved system scalability.</li></ul> |                        |                        |                        |
| <b>Developer</b>  | <b>Freelance</b>       | <i>Vadodara, India</i> | <b>01/22 - Present</b> |
| <ul style="list-style-type: none"><li>• <b>Developed a full-stack e-commerce platform</b> using <b>React</b> for the frontend and <b>Node.js</b> with <b>Express.js</b> for the backend, implementing secure payment gateways and RESTful APIs for product management and user authentication.</li><li>• <b>Built a real-time chat application</b> integrating <b>WebSocket</b> for live messaging, using <b>React</b> for the UI and <b>Node.js</b> with <b>Socket.IO</b> for backend communication, enhancing user engagement and experience.</li><li>• <b>Designed and deployed microservices architecture</b> for a food delivery app using <b>Node.js</b>, <b>MongoDB</b>, and <b>Redis</b>, integrating with third-party APIs and automating CI/CD pipelines with <b>Jenkins</b> for efficient deployment workflows.</li></ul>  |                        |                        |                        |

## Education

<b>B.Tech in Computer Science</b>	<b>Parul University</b>	<i>Vadodara, India</i>
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## Projects

- **Learning Platform:**
  - **Developed a full-stack web application** using **React** for the frontend and **Node.js** with **Express.js** for the backend to provide video streaming, quizzes, and progress tracking for users.
  - Integrated secure **JWT-based authentication** and implemented user roles (admin, instructor, and student) for tailored access and features
  - Utilized **MongoDB** for scalable data storage and **Jenkins pipelines** for CI/CD, deploying the platform on **AWS EC2** for high availability.
- **Job Portal:**
  - **Built a responsive job portal** using **React** for an interactive user interface and **Node.js** for backend services to handle job postings, applications, and notifications.
  - Implemented **RESTful APIs** for efficient data exchange and integrated with third-party services like LinkedIn APIs for importing profiles and job recommendations
  - Optimized database queries using **MongoDB** with **Redis caching** to enhance performance and employed **Jenkins pipelines** for automated testing and deployment.
- **Event Management System:**
  - **Created an event management application** using **React** for dynamic dashboards and **Node.js** for backend services, supporting event creation, ticket booking, and attendee management.
  - Integrated a **payment gateway** (Stripe/PayPal) and designed a **microservices-based architecture** to ensure modularity and scalability.
  - Deployed the app with **Jenkins CI/CD pipelines** and utilized **Docker** containers for a reliable and portable development environment.

## Certifications

- AWS Solutions Architect - Associate
- CCNA Routing and Switching