VIKAS TOMAR

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PROFESSIONAL SUMMARY

Full Stack MERN Developer with 3+ years of experience building scalable, high-performance web applications using modern technologies. Proven expertise in developing microservices architectures, integrating third-party APIs, and implementing AI-powered solutions. Strong background in both frontend and backend development with a track record of delivering robust solutions in cross-functional agile teams. Proficient in cloud services, containerization, and real-time data processing.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, SQL, HTML5, CSS5
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS, Bootstrap, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, GraphQL, Microservices Architecture
- **Databases:** MongoDB, PostgreSQL, MySQL, MS SQL Server
- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, CI/CD Pipelines
- **Tools & Platforms:** Git, Jira, Swagger, Figma, Postman, VS Code, Cursor
- **Specialized:** Generative AI Integration, Third-party API Integration, Real-time Data Handling, WebSockets

PROFESSIONAL EXPERIENCE

Full Stack Developer   **August 2022 – Present**
MicroTechnologies India, Bhopal, Madhya Pradesh, India

- Full-stack developer with DevOps expertise: Architected and delivered 7+ scalable web applications using MERN stack, implementing CI/CD pipelines, containerization, and cloud infrastructure management.
- Optimized database queries across PostgreSQL, MongoDB, MySQL, and MS SQL.
- Designed and implemented RESTful APIs with comprehensive Swagger documentation for seamless third-party integrations
- Deployed applications on AWS infrastructure leveraging EC2, S3, and RDS for high availability and scalability
- Built responsive, user-centric interfaces using React.js and Next.js.
- Implemented microservices architecture to improve scalability and maintainability of enterprise applications
- Integrated Generative AI capabilities and multiple third-party APIs including payment gateways, analytics, and communication services
- Containerized applications using Docker, streamlining deployment processes.
- Developed real-time features using WebSockets for live updates, notifications, and collaborative functionalities
- Collaborated with UI/UX designers using Figma to translate design mockups into pixel-perfect, responsive implementations
- Participated in code reviews and mentored junior developers on best practices, coding standards, and architectural patterns
- Utilized Agile/Scrum methodologies with Jira for project management, ensuring consistent sprint delivery and stakeholder communication
- Reduced application load time through performance optimization, lazy loading, and efficient state management

EDUCATION

Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering   **July 2018 – June 2022**
University Institute of Technology, RGPV   **CGPA: 8.4/10**

KEY PROJECTS

CloudRentalManager – Property Management Platform

- Developed comprehensive property management system for US-based client using MERN stack
- Built scalable REST APIs with Node.js and Express.js for property listings, tenant management, and payment processing
- Designed and implemented MongoDB database schema optimizing data retrieval and query performance
- Created responsive React.js frontend components with intuitive user interface for property owners and tenants
- Collaborated with international clients providing daily progress updates and requirement analysis

e-GOV Portal – Government Services Platform (Cayman Islands)

- Architected secure government services portal enabling citizens to access various government services online
- Implemented secure document management system with encryption and role-based access control
- Developed multi-language support system for English and Spanish interfaces
- Built authentication and authorization system using JWT for secure user access
- Technologies: Node.js, Express.js, RESTful APIs, PostgreSQL, React.js, JWT Authentication

FliteX – Aviation Platform

- Contributed to flight booking and management system using React.js, Node.js, and PostgreSQL
- Developed real-time dashboard components for flight tracking and booking analytics
- Integrated Google Maps API for location services and airport information
- Implemented third-party payment gateway integration and secure authentication systems
- Built admin dashboard with comprehensive analytics and reporting features

Swadish World – E-Commerce Platform

- Built full-featured e-commerce platform with product catalog, shopping cart, and checkout functionality
- Integrated multiple payment gateways for seamless transaction processing
- Developed inventory management system with real-time stock tracking and alerts
- Implemented tenant management system with payment integration and real-time notifications using Socket.io
- Technologies: MERN Stack, Socket.io, Payment Gateway APIs, AWS

CERTIFICATIONS

- Generative AI Foundations Program
- Internet of Things (IoT) Training Program

KEY ACHIEVEMENTS

- Successfully delivered multiple production-grade web applications across aviation, government, and e-commerce domains
- Implemented performance optimization techniques resulting in faster application performance and improved user experience
- Expertise in Agile/Scrum methodologies with 3+ years of consistent sprint delivery and international client collaboration
- Proficient in modern development practices including CI/CD pipelines, containerization, and cloud-native architecture