

VIKAS PAWAR

Software Development Engineer

Mobile: +91 9765200218 | Email: admin@vikaspawar.co.in

Portfolio: vikaspawar.co.in LinkedIn: linkedin.com/in/hello-vikas-pawar | Github: github.com/vikas-pawar-01

SUMMARY

Innovative and results-driven software professional with over 13+ years of experience designing, developing, and scaling complex, distributed systems. Proven expertise in microservices architecture, cloud-native solutions, and IoT-based platforms. Adept at leading cross-functional teams, aligning technical strategy with business goals, and delivering mission-critical systems with a focus on scalability, performance, and maintainability. Passionate about driving technical excellence and mentoring engineering teams to achieve organizational objectives.

EDUCATION

Master of Science (M.Sc.) in Computer Software

Pune University | Jun 2009 – May 2011

SKILLS

Technical Expertise:

- **Architecture & Design:** Microservices, Event-Driven Architecture, Domain-Driven Design (DDD), SOLID Principles, Scalable Architecture, Design Patterns
- **Programming Languages:** Node.js, Express, TypeScript, React.js, Redux, PHP, JavaScript
- **Databases:** PostgreSQL, MySQL, NoSQL, MongoDB
- **Cloud & DevOps:** AWS (Lambda, S3, EC2, DynamoDB), Kubernetes, Docker, CI/CD Pipelines, Serverless Architecture, Cloudflare, Heroku
- **IoT Protocols:** MQTT, OPC UA, MODBUS, HART-IP

Tools & Methodologies:

- Agile (Scrum), Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), REST APIs, GraphQL, WebSockets

Leadership:

- Technical Strategy, Cross-Functional Collaboration, Mentoring Teams, Code Reviews, Best Practices Implementation
-

PROFESSIONAL EXPERIENCE

Emerson | Lead Engineer | May 2023 – Present | Pune

- Architected and implemented a distributed Network Management System for real-time IoT device monitoring and management, improving operational efficiency.
- Designed and enforced microservices architecture standards, ensuring scalability, modularity, and fault tolerance.

- Collaborated with product stakeholders to align architecture with business objectives, delivering high-performance solutions with reduced latency.
- Mentored a team of 5 engineers, conducting code reviews and fostering a culture of technical excellence.

Entrata India | Principal Engineer | *Oct 2013 – May 2023* | Pune

- Designed and developed 10+ scalable applications for property management, leveraging Node.js, React.js, PHP, PostgreSQL, and MongoDB to support millions of users.
- Led the development of a Dynamic Pricing Engine, enabling real-time rate adjustments across multiple channels.

Ansh Systems | Software Engineer | *Jul 2012 – Oct 2013* | Pune

- Developed REST APIs and modular ERP systems for Volvo Truck dealerships, optimized application performance and scalability through advanced database design and query optimization.

Veblody | Junior Software Engineer | *May 2011 – Jun 2012* | Pune

- Contributed to ERP modules for the textile industry, optimizing inventory workflows and reducing manual tracking efforts.

NOTABLE PROJECTS

IoT Gateway Monitoring Platform

- Designed a centralized platform for real-time IoT device monitoring, supporting devices with minimal latency.
- Implemented real-time data pipelines and optimized APIs to enhance performance.

Financial Management Platform

- Architected repayment and account closure systems, automating workflows and ensuring compliance with regulatory standards.
- Improved system reliability by integrating comprehensive testing strategies, including unit and integration tests.

Dynamic Pricing Engine

- Developed a real-time pricing system for multi-channel platforms, increasing pricing accuracy and revenue.
- Enabled seamless integration with existing systems through well-defined APIs.

ERP for Truck Dealerships

- Built an ERP system for managing sales, inventory, and logistics for Volvo Truck dealerships, streamlining operations.

CERTIFICATIONS

- AWS Technical Essentials (AWS, 2022)
- Software Architecture: Domain-Driven Design and Patterns (LinkedIn Learning, 2022)
- Advanced Node.js Development (Udemy, 2023)
- Microservices Architecture and Design Patterns (LinkedIn Learning, 2024)