# VIKAS PAWAR

## Software Development Engineer

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## SUMMARY

Experienced Senior Software Developer with 13+ years of expertise in designing, developing, and delivering complex software solutions. Proven track record of leading cross-functional teams, architecting scalable systems, and optimizing code for performance. Adept at full-stack development, with strong problem-solving skills and a passion for delivering high-quality software.

## SKILLS

Microservices   Design Patterns   SOLID Design Principles   Node   Express   React   Redux

TypeScript   NoSQL   MongoDB   SQL   PHP   REST API   Socket.io   Web Socket   AWS

Cloudflare   Heroku (Salesforce)   CI/CD   MQTT   IoT   OPC UA   MODBUS   HART-IP

## EDUCATION

### M.Sc. in Computer Software

**Pune University**

📅 06/2009 - 05/2011

## EXPERIENCE

### Lead Engineer

**Emerson**

📅 05/2023 - Present    📍 Pune

Network Management Application

- Implement complex features and functionalities, leveraging strong understanding of real-time communication and data analysis.
- Identify and implement strategies to optimize application performance, including database queries, API responses, and real-time data processing.
- Participate in coding, code reviews, and troubleshooting to maintain code quality and resolve complex technical challenges.
- Drive a culture of code quality and best practices by conducting code reviews, providing feedback, and enforcing coding standards.
- Implement testing strategies, including unit tests, integration tests, and automated testing, to ensure application stability.

### Principal Engineer

**Entrata India**

📅 10/2013 - 05/2023    📍 Pune

Entrata: Property Management Software

- Designed and developed 10+ front-end, back-end architecture and database design applications utilizing Node.js, Express, React.js, AngularJS, PHP, Postgres, and MongoDB.
- Developed 4+ new application features and distributed services that support high-scale applications.
- Developed and executed 200+ test procedures for software components.
- Worked with Agile team across 8+ application domains.
- Planned, tracked, and managed deliverables on 200+ short-term sprints and 50+ long-term deployments.
- Participated in 100+ weekly code reviews to ensure code quality and system efficiency.
- Supervised development teams ensuring error-free code and design as well as on-time delivery.

### Software Engineer

**Ansh Systems**

📅 07/2012 - 10/2013    📍 Pune

BAS Truck Group ERP: Volvo truck dealer

- Responsible for developing a scalable web application. Optimized existing code for performance and scalability.

# EXPERIENCE

## Junior Software Engineer

**VEBLOGY INNOVATIVE TECHNOLOGY PVT. LTD**

📅 05/2011 - 06/2012    📍 Pune

Cotton Mill ERP: Produces the cotton material

- Responsible for managing and developing the web application and working closely with the web design team.

# PROJECTS

## Network Management Application

This application  provides network administrators with a centralized platform to efficiently configure, monitor, and troubleshoot gateway devices, ultimately enhancing network performance and reliability. Administrators can monitor the operational status of gateway devices in real time. They can access critical metrics such as data throughput, latency, and connected devices to swiftly identify and address issues.

## Affordable Baseline Reader- Microservice

The Affordable Baseline Reader microservice was responsible for processing input files, extracting baseline data points, and generating meaningful insights. It utilized microservice architecture principles, allowing for modular and scalable development. The service interacted with other components of the system through well-defined APIs, ensuring seamless integration and interoperability.

## Rate Management

The rate management system offered a user-friendly interface for administrators to define and customize various rate plans, including seasonal rates, special offers, group rates, and package deals. It allowed real-time updates of rates and availability across multiple channels and integrated seamlessly with other systems within the organization.

## Scheduled Charges

The system allowed users to define various types of recurring charges, such as monthly subscriptions, installment payments, membership fees, or utility bills. It provided a user-friendly interface for administrators to configure and manage charge schedules, including frequency, start dates.

## Account Closings

The system allowed users to initiate account closure requests through multiple channels, such as web interfaces, or customer support. It facilitated a systematic and controlled process for verifying customer identity, settling outstanding balances, and transferring remaining funds or assets.

## Repayment Agreement

The system allowed borrowers to negotiate and establish repayment agreements based on their financial capabilities and agreed-upon terms. It provided a user-friendly interface for borrowers to view and manage their repayment plans, make payments, and track their progress. The system also facilitated communication and notifications to borrowers regarding upcoming payments, payment reminders, and overdue amounts.

## BAS Trucks - ERP

The ERP system provided modules for managing truck transport orders, sales, and purchases. It allowed users to create and track transport orders, manage pricing and contracts, monitor inventory and logistics, generate invoices and financial reports, and facilitate seamless communication between different stakeholders involved in the truck transport ecosystem.