Satyawan Bhalekar

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Summary

Full Stack Developer with 1.3 years of professional experience in building scalable web applications and APIs using Node.js, Express.js, MongoDB, PostgreSQL, and MERN stack. Skilled in REST API development, TypeScript, payment gateway integration, database design, and microservices architecture. Proficient in debugging, optimization, and deploying robust backend solutions with modern development practices. Experienced in integrating Generative AI models such as Google Gemini AI for intelligent NLP, building RAG with LangChain and embedding-based semantic search to create AI-powered document Q&A systems.

Work Experience

Cateina Technologies, Mumbai — Software Engineer   **May 2024 – Aug 2025**

- Contributed as a Full Stack Developer on multiple projects using Node.js, Express.js, React.js, TypeScript,MongoDB, PostgreSQL, and MEAN/MERN stacks.

- Designed and developed REST APIs and backend services for scalable web applications.

- Implemented payment gateway integration (Cashfree) ensuring secure billing and transaction workflows.

- Collaborated in microservices setup with APISIX API Gateway for high-performance distributed systems.

- Enhanced code quality using Husky Git hooks, caching strategies, and automated testing frameworks.

- Performed unit testing, debugging, and ensured optimized performance in production-ready systems.

- Reduced average response time by 25% on listing endpoints via server-side pagination and caching

Projects

PowerPump (IoT EV Charging Solution) — Full Stack Developer   **Oct 2024 – Mar 2025**
Client: Kiran Rubber | Domain: Solar Energy | Tech: MEAN Stack

- Developed backend with Node.js + Express.js and MongoDB for real-time EV charging data.

- Integrated Cashfree Payment Gateway for smooth billing workflows.

- Built PDF report generation module for transaction details.

- Applied caching strategies, Git hooks (Husky), and session restoration to boost system reliability.

- Conducted end-to-end testing and optimization before production deployment.

Eurekai (Real Estate Management System) — Full Stack Developer   **Mar 2025 – Jul 2025**
Client: Jitan | Domain: Real Estate | Tech: Node.js, Express, TypeScript, PostgreSQL, React.js

- Engineered REST APIs for property & tenant management, rent collection, and loan tracking.

- Implemented Loan Forecast (LRD) APIs with advanced query filters for financial insights.

- Optimized data mapping & API design for high performance in multi-tenant scenarios.

- Integrated APISIX as an API Gateway within a microservices architecture.

PersonaPost AI (Social Media Content Generator) — Back-End Developer   Jul 2025 – Aug 2025
Tech: Node.js, Express, TypeScript, PostgreSQL, Imagen-3, Gemini Flash 1.5

- Built AI-powered backend pipeline for social media automation using LLM (Gemini 1.5 Flash) + Imagen 3 (diffusion model).
- Developed APIs for automated post generation with captions, hashtags, and AI-generated images.
- Designed backend infrastructure capable of handling high throughput AI content generation.

PDF Chat Assistant (RAG, Embedding, LangChain) — Full Stack Developer   Jul 2025 – Aug 2025
Client: Internal | Domain: AI | Tech: Node.js, Express, TypeScript, LangChain, Google Gemini AI, React.js

- Developed a scalable backend service for uploading, parsing, and chunking PDF documents dynamically.
- Engineered semantic embedding pipelines using Gemini Ai and LangChain for retrieval-augmented generation (RAG).
- Implemented an in-memory vector database supporting fast similarity search and contextual answer retrieval.
- Enhanced user experience through real-time question answering with source-linked, accurate results from diverse PDF files

Skills

Programming: Node.js, TypeScript, JavaScript
Web Technology: HTML, CSS, Bootstrap, Angular, React
Databases: PostgreSQL, MongoDB, MySQL, Oracle
Tools & Platforms: Git, Postman, Firebase, VS Code, Apicurio, APISIX, PlantUML, Docker, Render
Development Practices: REST API design, Microservices, Caching, Testing & Debugging, Git Hooks (Husky)
Operating Systems: Windows, Linux
AI Models: Imagen-3, Gemini 1.5 Flash,LangChain,RAG

Education

B.Tech, Computer Science Engineering — BRIGCE (DBATU University), Solapur   **Jul 2023**
CGPA: 9.23/10

Diploma, Computer Science Engineering — Shivaji Polytechnic College, Sangola   **Jun 2020**
CGPA: 6.42/10

Certifications

- Training in **JavaScript, Node.js, Express.js, SQL, MongoDB, Web Technologies** – Pentagon Space, Bangalore

Technical Summary

- **JavaScript (ES6+):** Strong knowledge in async/await, arrow functions, object/array manipulations.
- **Node.js:** Hands-on experience in building scalable backend services and file system operations.
- **Express.js:** Proficient in REST API design, routing, middleware, error-handling, and integration.
- **Mongoose & PostgreSQL:** Experienced with schema design, data validation, and CRUD operations.
- **SQL:** Solid understanding of RDBMS concepts and writing queries (DDL, DML, DQL).

Personal strength

- If any of task assigned, would like to take responsibility as an initiative.
- Confident and Determined.