

Vivek Jalondhara

Full Stack Software Engineer | SaaS & CRM Platforms | AI-Assisted Development

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Summary

Full Stack Software Engineer with **3.5+ years** of experience building and scaling **enterprise SaaS and CRM platforms** on the **MERN-style stack** (**React.js, Node.js, Express.js, MongoDB, PostgreSQL**) with **TypeScript and Python**. Strong in **backend development, system design, software architecture, database design, REST API design, caching, query optimization, and third-party integrations**. Take features from requirements and design to production, fix complex production issues, and have **mentored 60+ developers and trainees**. Use AI-assisted development tools such as Claude, Cursor, and Codex to ship faster with higher code quality.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL

Frontend: React.js, Next.js, Angular, Redux Toolkit, TanStack Query, React Hook Form, Reusable Component Design, Responsive UI, HTML5, CSS3

Backend: Node.js, Express.js, NestJS, FastAPI, RESTful API Design, Microservices, Monorepo Architecture, Background Jobs & Schedulers, Webhooks

System Design & Architecture: System Design, Scalable Architecture, Clean Architecture, Layered Architecture, Event-Driven Architecture, Design Patterns, SOLID Principles, OOP, API Design, Performance Optimization

Databases & ORMs: PostgreSQL, MongoDB, MySQL, Redis, TimescaleDB (Time-Series), Citus, Sequelize, Prisma

Database Design & Optimization: Database Schema Design, Data Modelling, Indexing, Query Optimization, Time-Series Data Modelling, Transactions

Caching & Messaging: Redis, Multi-Layer Caching, Kafka, Apache Pulsar, Pub/Sub

Security & Reliability: JWT, OAuth 2.0, Authentication & Authorization, Role-Based Access Control (RBAC), Audit Logging, Secure Code Scanning (SonarQube, Qwiet AI)

Observability: Sentry, Error Tracking, Production Debugging

Integrations: Google Calendar API, Microsoft Outlook API, Zoom API, Recall.ai, Third-Party API Integrations

Cloud & DevOps: Docker, Kubernetes, GCP, AWS, CI/CD, Linux

Testing: Jest, Unit Testing, Integration Testing, API Testing, Postman

Methodologies & Tools: Agile/Scrum, SDLC, Code Review, Git, GitHub, Bitbucket, Jira, VS Code

AI-Assisted Development: Claude, Cursor, Codex, ChatGPT, Qodo, Prompt Engineering, Agentic Coding

Work Experience

Software Engineer | Esparkbiz Technologies Pvt. Ltd., Ahmedabad

Jan 2023 – Present

- Develop and maintain enterprise SaaS and CRM applications using **React.js, Node.js, TypeScript, and PostgreSQL**, covering requirement analysis, technical design, development, testing, and production release.
- Design backend architecture, module structure, and API contracts for new features, applying **clean architecture and design patterns** so the codebase stays easy to extend and maintain.
- Design **relational and time-series data models**, write optimized **PostgreSQL** queries, and use **TimescaleDB** for user activity and state tracking.
- Build secure **RESTful APIs** with authentication, role-based authorization, and audit logging, following secure coding practices.
- Improve application speed and reliability through **Redis caching** and database optimization, including making email record sync **60% faster**.

- Build reusable React components and shared frontend patterns that keep the UI consistent and speed up delivery across modules.
- Integrate third-party platforms such as **Google Calendar**, **Microsoft Outlook**, **Zoom**, and **Recall.ai** into the product.
- Review code, write automated tests with **Jest**, and follow coding standards to keep releases stable and maintainable.
- Investigate and fix production issues using **Sentry** and logs, in coordination with QA, product, and support teams.
- Work in Agile sprints with product managers, designers, and QA, delivering tasks on committed timelines.
- Mentored and trained **60+ developers and trainees** in frontend, backend, debugging, and AI-assisted development.

Projects

Smackdab CRM V2.0 (Enterprise SaaS CRM Platform)

AI-assisted enterprise CRM that turns emails, record timelines, and meeting recordings into summaries and action items, alongside bookings, proposals, notifications, and workflow automation.

Tech Stack: React.js, TypeScript, JavaScript, Node.js, Express.js, PostgreSQL, TimescaleDB, Redis, REST APIs, Webhooks, Google Calendar API, Microsoft Outlook API, Zoom API, Recall.ai

- Built **AI-generated summaries** for **emails** and **record timelines**, so users can understand a customer's history without reading every message and activity.
- Integrated **Google Calendar**, **Microsoft Outlook**, **Zoom**, and **Recall.ai** to schedule and record meetings, then turned **audio and video recording transcripts** into **summaries and action items** inside the CRM.
- Designed and built the **email API and email sync service** used in the notification process, syncing **millions of email records** and making sync **60% faster**.
- Implemented a **three-layer caching strategy** with **Redis** and optimized **PostgreSQL queries**, indexes, and API endpoints to speed up responses across the platform.
- Built **user activity and state tracking** on **TimescaleDB**, storing time-series events so teams can see what happened on a record and when.
- Developed a **sheet parser** that converts spreadsheet data into CRM records in **milliseconds**.
- Built the **Proposal module** end to end, including its database design, REST APIs, and React interface.
- Developed the **workflow automation engine** with **trigger-based actions**, **scheduled jobs**, email automation, automatic task creation, celebrations, and opt-in handling.
- Delivered **booking management**, **notifications**, **guided onboarding**, **a form builder**, and **a website builder** as modular features on shared backend services and reusable React components.
- Implemented **role-based access control (RBAC)**, visibility rules, and **audit logging**, and built **notes**, **document management**, **tagging**, and **advanced search**.

Smackdab CRM V1.0 (Enterprise SaaS CRM)

First version of the Smackdab CRM, focused on tracking the full flow of a CRM record through a timeline, notes, documents, and audit history.

Tech Stack: React.js, JavaScript, Node.js, Express.js, PostgreSQL, REST APIs

- Built the **record timeline** that shows activity on a CRM record in chronological order, and managed the record flow across modules.
- Developed the **audit log**, **notes management**, and **document management** modules to track changes and organize information.
- Implemented secure document sharing with **tagging**, **visibility rules**, and **role-based permissions**.
- Developed **REST APIs** and responsive **React.js** interfaces, and applied the same **caching strategy** and query optimization to speed up API responses.

Ecascript (AI-powered Audio Transcription Platform)

AI-powered platform where users record audio and receive clean, structured transcripts and summaries, with tools to manage their content.

Tech Stack: React.js, JavaScript, Python, REST APIs

- Built the **Python processing** that converts audio into transcripts and formats them into proper, readable transcripts and **AI-generated summaries**.
- Built the complete **React.js frontend** from scratch for audio recording, transcript viewing and editing, summaries, and content management.
- Developed reusable React components and integrated **REST APIs** for transcript sync and organization.

Education

Government Engineering College, Bhavnagar

2019 – 2023

B.E. Computer Engineering — CGPA: 7.99

Belur Vidhyalaya, Bhavnagar

2017 – 2019

Higher Secondary Certificate (Science) — 75.53%