

# VAIBHAV JAIN

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## Summary

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- **SaaS Expertise** - Built E-signature modules, Full scale Employee ERP systems, HR & Payroll Management System, Sports League Management Platform etc.
- **AI Leverage** - Established clear architectural rules and coding patterns that enable developers deliver features faster.
- **Architectural Ownership** - Have owned end-to-end projects, from system design to delivery.

## Experience

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### Open Source Contributions

Present

- **Obsidian - Spaced Repetition** - [feat: Enhance review notes sidebar](#)
  - Problem: Poor visibility of overdue and due-today notes in large, nested review hierarchies.
  - Action: Implemented status propagation and visual indicators at file and folder levels to surface note states at a glance.
  - Impact: Improved navigation efficiency and reduced effort required to manage large review trees.

### SpotDraft

May 2022 – Feb 2023

Senior Frontend Engineer — Angular, Typescript, SCSS, Clean Architecture

Bangalore

- **E-Signature Module** - [workflow demo](#)
  - Problem: Existing signing workflows were not optimized for small screen devices, thus customer experience was not seamless.
  - Action: Re-architected the signing workflows using modular architecture with modern mobile-first approach.
  - Business Impacts: Strengthened the product's competitive positioning by delivering a modern mobile-device signing experience expected from enterprise e-signature solutions.
- **Embeddable App for PDF Signing**
  - Problem: Customers could not offer contract signing within their own products and had to redirect users to SpotDraft.
  - Action: Built an embeddable PDF signing application, enabling customers to integrate signing workflows into their own platforms.
  - Business Impact: Unlocked new integration use cases for customers. A high-value customer requested this feature which it got saved from churning.
- **Signature Packets**
  - Problem: Users had to manage multiple contracts separately when handling multiple uploads.
  - Action: Developed Signature Packets feature to generate a unified contract from multiple uploads
  - Business Impact: Hassle of managing each individual contract is resolved.
- **Code Quality and Standards**
  - Problem: Code quality and review standards varied across the team.
  - Action: Led code quality initiatives through rigorous code reviews, established PR standards.
  - Engineering Impacts: Standardized engineering consistency, reduced review friction.

### Unthinkable Solutions

July 2020 – Feb 2022

Full Stack Developer — Angular, React, Typescript, NodeJS, Express, PostgreSQL

Gurugram

- **Sports League Management System**
  - Requirement: A Sport organization needed a centralized platform to manage leagues, teams, fixtures, referees with all features from Scheduling to Payments.
  - Ownership: Worked as Solo Contributor, owned the project end to end until delivery, be it full stack development, architecture, client interaction, on-call issues and everything in between.
  - Results: Developed key features - Match Scheduling, Refrees Payments, Notifications and Emailing, Batch updates etc.
- **HR Management System**
  - Problem: Duplicated Data-tables implementations across modules.
  - Action: Created **In-House Data-grid** from scratch, with configurable columns, cells using parser callbacks similar to ag-grid [↗](#)
  - Impact: Enabled plug-and-play adoption across 10+ modules, faster feature delivery and reduced testing overhead.
- **Authentication and Permission Handling**
  - Problem: As the application grew, managing user access across different roles became complex
  - Action: Implemented a centralized authentication and authorization system using JWT, Access/Refresh Tokens, Redis, Express middlewares, RBAC, Route Guards, and permission-based UI grid
  - Business Impact: Superadmin now can hide or enable different features to different type of users, as per business requirements.

**• In-house UI Library**

- Problem: Fragmented UX due to inconsistent UI across the application. Client required consistent UI components on Material Theme.
- Action: Built a shared component library by customizing MUI primitives such as Buttons, Modals, Forms, Dropdowns etc.
- Business Impact: Consistent UI across all modules. Enabled faster feature delivery

**Technical Skills**

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**Languages:** Javascript, Typescript, HTML/CSS, SCSS/SASS, SQL**Architecture:** Clean Architecture, Nx Monorepos**Frontend:** React, Redux, Angular, RxJs, NgRx, TestBed, RESTful APIs, Lazy loading, Angular Material, Bootstrap, MUI, Tailwind, Responsive Web Design, Storybook**Backend:** NodeJs, Express.js, PostgreSQL (knex), REST API development, Authentication (JWT), RBAC**DevOps:** Docker, CI/CD (GitHub Actions, GitLab CI, JIRA), Nginx, PM2**Analytics:** Datadog, Amplitude**Version Control & Tools:** npm, Git, GitHub, GitLab, Bitbucket, Jira, Trello, Figma, ESLint, Prettier, Husky, Swagger (OpenAPI)**Education**

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**Guru Gobind Singh Indraprastha University****2016 – 2020***Bachelor of Technology in Computer Science CGPA - 9.34**Delhi, India***CGPA — 9.34** [University top 10 list]**Achievements**

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**[Outstanding Delivery Award](#)** **Nov 2020***Delivered MatchRider in just 4 months, appreciated for aligning with business needs.***[Engineering Impact Testimonials](#)** **May 2022 – Feb 2023***Elevated engineering quality by establishing code review and development standards.*