

VAISHNAV S N

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TECHNICAL SKILLS

Programming Languages: Javascript, Nodejs, Typescript, HTML, CSS

Frontend Frameworks/Libraries: React, Redux, React Router, Next.js, Tailwind CSS, Bootstrap

Backend Frameworks/Libraries: Express.js, NestJS, JWT, NextAuth.js, MongoDB, Mongoose, MySQL, Sequelize

Other Tools: Git, Docker, S3, AWS EC2, MongoDB Atlas, NGINX, Figma, Linux, Windows, Ubuntu

WORK EXPERIENCE

Associate Software Engineer

Lilac Infotech, Calicut

Mar 2025 - Aug 2025

- **Solely responsible for driving the full-stack development of a large-scale, legacy MERN project**, taking over from partially implemented and undocumented code, and bringing structure, clarity, and progress to a complex multi-portal platform.
- **Took complete ownership of backend logic, REST API development, and MySQL schema optimization**, ensuring consistency, scalability, and improved performance across multiple interconnected modules.
- **Led the integration and enhancement of core business workflows** across diverse platforms — including student web portal, admin lead management system, partner onboarding, course purchasing, and accommodation — balancing stability with continuous feature development.
- **Delivered consistently under tight deadlines with minimal supervision, balancing feature delivery and code quality**, consistently delivering critical modules while improving code maintainability, handling production-level debugging, and streamlining development efforts amidst poor legacy practices and unrealistic timelines.

Software Developer

Appmox PVT LTD, Bangalore

Dec 2023 – Feb 2025

- Adapted quickly to an **unfamiliar low-code platform** within one month to develop a **production-ready supply chain software integrated with SAP**, ensuring timely and successful delivery.
- Acquired a thorough understanding of **supply chain processes**, including **Sourcing, Vendor Management, and Auction modules**, to improve requirement gathering and facilitate smooth development.
- Effectively managed time and tasks by **prioritizing key milestones** and ensuring the timely delivery of **high-quality software** for the client.
- **Optimized MongoDB aggregation queries**, improving system performance and **reducing query response times**, resulting in faster data retrieval and more efficient reporting.
- **Collaborated with cross-functional teams** to implement features aligned with client business needs, ensuring **seamless integration with existing SAP systems**.

PROJECTS

• Supply Chain Management System – Navin Fluorine International Limited

Company: Appmox Pvt. Ltd.

Tech Stack: JavaScript, MongoDB, MySQL, SAP Integration

- **Project Scope:** Designed and implemented a **software solution to automate end-to-end sourcing processes integrated with SAP**.
- **Key Contributions:**
 - * Developed a system to **fetch Purchase Requisitions (PRs) from SAP** and **auto-generate RFQs** (Requests for Quotation) for materials and services.
 - * Built modules for **vendor quotation submission, validation, and tracking** within the procurement system.
 - * Implemented logic for **technical and commercial evaluation** (e.g., cost comparison, vendor scoring) based on specific client requirements.
 - * **Automated PO (Purchase Order) creation process**, reducing manual intervention and minimizing errors.
 - * Worked closely with stakeholders to ensure the solution **aligned with real-world procurement workflows**.
- **Outcome:** Delivered an **on-time, scalable solution** that **digitized the sourcing evaluation process** and **accelerated procurement cycles**.

• Global Study Link – Admin CRM Portal

Company: Lilac Infotech Pvt Ltd.

Technologies Used: React.js, Node.js, Express.js, MySQL, MongoDB, Redux, AWS S3, Material-UI, Pabbly

- **Project Scope:** Led the development and stabilization of a **complex Admin CRM platform** for Global Study Link, a prominent study abroad consultancy. The system handled **student onboarding, employee workflows, and partner relationships**.
- **Key Contributions:**
 - * **Revamped an unstable legacy system** by replacing 60% of the codebase with **modular React components** and **optimized Express.js APIs** — boosted performance by **40%**, reduced bug reports by **60%**.
 - * Took **full ownership post-developer exit**, delivering new features and maintaining critical modules under **tight, high-pressure deadlines**.
 - * Built a **role-based access control system** supporting fine-grained permissions for Admins, Counselors, Telecallers, and Partners.
 - * **Automated lead lifecycle** from inquiry to university application — **reduced manual processes by 30%**.
 - * Integrated **Pabbly Connect** to sync **Facebook/Instagram leads** and enabled **automated email/SMS notifications**.
 - * Developed **business-critical dashboards** for tracking **lead conversions, employee performance, and commissions**.
 - * Enabled marketing teams to update content independently via a **custom CMS**, reducing dependency on developers.
 - * Implemented a **dedicated Partner Portal** for external partners to manage leads and track commissions.
- **Outcome:** **Reduced support tickets by 50%**, improved **internal workflow efficiency**, and maintained **feature velocity** despite legacy constraints and limited documentation.

• Global Study Link – Student Portal

Company: Lilac Infotech Pvt Ltd.
Technologies Used: *React.js, Node.js, Express.js, MySQL, MongoDB, Redux, AWS S3, Material-UI*

- **Project Scope:** Led the **redesign and feature-completion** of GSL’s Student Portal — a **self-service platform** enabling students to explore study abroad opportunities and manage their application journey.
- **Key Contributions:**
 - * Refactored over **50% of the portal** for **improved maintainability and faster load times** by optimizing API logic and restructuring React components.
 - * Delivered critical modules including:
 - **Course search engine** with dynamic filters (e.g., **country, tuition fees, rankings**).
 - **Student onboarding flow** with secure login, profile completion, and document upload.
 - **Application tracking system** featuring real-time updates like *Submitted, Under Review, Visa Approved*.
 - **Real-time chat interface** using MongoDB for **async messaging and file sharing** between students and counselors.
 - * Improved UX through **enhanced navigation, responsive design, and consistent cross-device performance**.
- **Outcome:** **Increased student onboarding speed by 25%** and **reduced counselor workload**, significantly boosting platform engagement.

EDUCATION

Calicut University <i>Business of Bachelor Administration (In progress)</i>	Kerala, India <i>Jun, 2019 - Mar 2022</i>
Brototype - Kochi <i>MERN Stack Developement</i>	Kerala, India <i>July, 2022 - Oct 2023</i>