# VAISHNAV S N

+91 9645733259 - vaishnav.sn4@gmail.com - linkedin/vaishnav-sn - github/vaishnv-sn

## PROFESSIONAL SUMMARY

A self-driven Full Stack Developer with 4+ years of coding experience and 2+ years of professional expertise in building and scaling web applications using the MERN stack. My journey into coding began with a fascination for learning and creating — turning complex problems into real, working solutions. Over time, I've built 20+ personal and professional projects that shaped my technical depth and product thinking. I specialize in structuring legacy systems, designing clean and maintainable architectures, and delivering business-driven software under tight timelines. I code with curiosity, discipline, and a genuine passion for turning ideas into impactful products.

## 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
*Appmocx 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**.

### Freelance & Personal Projects
*Independent Developer*                                                                                              *Aug 2022 – Dec 2023*

- Worked independently on multiple **client and self-initiated projects** to strengthen full-stack expertise and apply clean architecture practices in real-world applications.
- **Developed and deployed 15+ full-stack applications** using the MERN stack — including CRMs, e-commerce platforms, and business automation tools for small enterprises.
- **Delivered freelance projects end-to-end**, handling requirement analysis, database design, API development, UI implementation, and AWS deployment.
- **Gained strong practical experience** in Git-based collaboration, debugging, RESTful API design, and optimizing performance for production-ready web apps.
- **Focused on building reusable components and scalable backend structures**, which became the foundation for later professional projects.

## PROJECTS

- **Supply Chain Management System – Navin Fluorine International Limited**
  *Company: Appmocx 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.