SRINATH S

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PROFESSIONAL SUMMARY

Software Engineer with **2.9+ years of experience** building scalable web applications and automation infrastructure. Proficient in the **MERN Stack (MongoDB, Express, React, Node.js)** and **Python**. Demonstrated success in migrating legacy systems to modern React architectures and engineering backend logic that reduces manual workloads by 90%. Expert in **REST API orchestration** (Stripe, Salesforce, Starlink) and optimizing database performance using **MongoDB aggregation** and indexing.

TECHNICAL AND SOFT SKILLS

- **Frontend:** React.js (Hooks, Context API), Tailwind CSS, Redux, HTML, Responsive Design, JavaScript.
- **Backend:** Node.js, Express.js, Python (OOP), RESTful API Design.
- **Databases:** MongoDB (Schema Design, Aggregation Framework, Indexing), MySQL.
- **DevOps & Tools:** Git, Docker, Postman, JIRA, CI/CD Pipelines, BeyondTrust.
- **Key Competencies:** System Design, Authentication (JWT), Payment Gateway Integration, AI-Assisted Development.
- **Soft Skills:** Effective Communication, Organized Workflow, Strategic Development, Teamwork, Leadership.

EXPERIENCE

Software Engineer – (MERN Stack) – Prodapt Solutions | March 2023 – Present

- **Legacy Migration (PHP to React):** Spearheaded the modernization of legacy data entry workflows. Rebuilt dynamic eforms using **React.js**, improving UI responsiveness and reducing user submission errors by **25%**.
- **Internal Tooling (Python OOP):** Architected a reusable backend module to securely fetch vault secrets from **BeyondTrust**. Accelerated the migration of **150+ bots** by architecting a reusable backend tool adopted by the wider engineering team.
- **B2B Data Monitoring (Starlink API):** Engineered a Node/Python-based monitoring service using the **Starlink API**. Implemented logic to track data usage and trigger automated email alerts to management upon reaching **75% bandwidth thresholds**.
- **API Orchestration:** Integrated Salesforce and Emarsys APIs to handle complex customer communication workflows. Designed backend logic to handle holiday exclusions, achieving a **95% on-time notification rate**.
- **Database Optimization:** Revamped error-logging systems, optimizing database queries and schema structures to reduce resolution time by **40%**.
- **Mentorship:** Mentored 3 junior developers on code quality, Agile practices, and Git workflows, ensuring **100% on-time delivery** for client projects.

PROJECTS

Online Event Management Platform (MERN Stack)

- **Architecture**: Built a full-featured event management system using **React, Node.js, Express, and MongoDB**.
- **Features**: Developed secure user/admin dashboards, real-time seat availability tracking, and rich-media event listings with advanced search filtering.
- **Payments**: Integrated **Stripe API** to handle multi-tier ticket sales, ensuring secure transaction processing and automated confirmation emails.
- **Analytics**: Designed an admin analytics dashboard to visualize sales trends, revenue, and attendee demographics using Chart.js.

B2C & B2B Workflow Automation System

- **Logic**: Automated customer suspension logic using Python. The algorithm handles complex date exclusions (weekends and holidays) to ensure SLA compliance.
- **Impact**: Reduced manual oversight by **90%** while ensuring strict adherence to business rules and SLAs.

Sigma Repush Bot (AI-Powered)

- **Resilience**: Developed adaptive retry mechanisms and error-handling logic for high-volume transaction processing, reducing rework by **80%**.
- **Data Recovery**: Integrated automated parsing algorithms to extract structured data from unstructured email formats.

EDUCATION & CERTIFICATIONS

- **Bachelor of Commerce (Bank Management)** | Guru Nanak College | First Class | Graduated: May 2022
- **Full Stack Development (MERN) with AI Tools** | GUVI (IIT-M Pravartak).
- **Django REST APIs, PHP, MongoDB** | Udemy.