Satheeshkumar M

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SUMMARY

Software Engineer with 2.6+ years of experience in Python-based backend development, RESTful APIs, and database-driven web applications. Strong experience in building scalable enterprise systems, integrating payment gateways, HRMS, accounting platforms, and CRM modules. Proven ability to optimize performance, automate workflows, and deliver production-grade solutions using Python and React.

WORK EXPERIENCE

Software Developer — Stanch Solutions Pvt. Ltd., Bangalore Jun 2023 – Present

- Designed and developed backend services using Python-based web frameworks (Frappe/ERPNext), implementing business logic, REST APIs, and data models.
- Built scalable backend APIs consumed by React-based web applications supporting multiple enterprise modules.
- Integrated third-party platforms including Razorpay, Greythr HRMS, Keka HRMS, Zoho Books, and Hikvision using secure REST APIs and webhooks.
- Developed and customized CRM modules to support lead management, opportunity tracking, and customer engagement workflows.
- Optimized database queries and backend workflows, significantly improving application response times and system stability.
- Implemented load and performance testing using Locust to validate system behavior under concurrent user traffic.
- Deployed and maintained applications on Linux servers and AWS infrastructure.
- Collaborated with cross-functional teams, participated in code reviews, and followed SDLC best practices.

PROJECTS

EntriesOne Web Application (Fulcrum Product)

Developed and maintained EntriesOne, a production-grade web application built using React for the frontend and Frappe (Python) for the backend. Designed REST APIs, implemented role-based access control, and optimized backend workflows to support enterprise-scale usage.

Custom Backend Applications (Frappe / ERPNext)

Developed and deployed 5+ custom backend applications using Python, implementing REST APIs, database-driven workflows, and seamless ERPNext integrations for multiple business domains.

Razorpay Payment Gateway Integration

Integrated Razorpay payment gateway using secure server-side Python APIs. Implemented payment initiation, signature verification, and webhook handling to ensure reliable and secure transaction processing.

Greythr HRMS Integration

Integrated Greythr HRMS with internal systems using REST APIs to automate employee onboarding, payroll, attendance tracking, and leave management. Eliminated manual data entry and improved data accuracy across HR workflows.

Keka HRMS Integration

Integrated Keka HRMS using REST APIs to synchronize employee data, attendance, and leave records with internal systems, ensuring reliable and secure data flow.

Zoho Books Accounting Integration

Implemented Zoho Books integration to automate invoice creation, payment reconciliation, and accounting workflows using REST APIs, improving financial reporting accuracy.

CRM Module Development

Designed and developed a custom CRM module including lead management, opportunity tracking, customer interactions, and sales workflows, fully integrated with ERP and accounting systems.

Progressive Web Application (PWA)

Led implementation of a Progressive Web Application using Python and React, enhancing accessibility, offline support, and frontend performance through optimized rendering strategies.

Hikvision Biometric Integration

Developed a real-time attendance tracking system by integrating Hikvision biometric devices with backend services, eliminating manual data entry and improving payroll accuracy.

Load Testing Automation

Designed and executed automated load testing scripts using Locust to simulate real-world user behavior across backend APIs, validating scalability, performance, and reliability under peak load conditions.

EDUCATION

2018 – 2022	Bachelor of Engineering (Electronics and Communication Engineering)
	VV College of Engineering, Tirunelveli, Tamil Nadu

SKILLS

Programming Languages	Python, JavaScript, HTML, CSS, Jinja
Backend	REST APIs, Web Services, Service-Oriented Architecture
Frameworks	Python-based Web Frameworks (Frappe), React
Databases	MySQL, SQL Databases
Cloud & DevOps	AWS, Linux, Server Deployment
Integrations	Razorpay, Greythr, Keka HRMS, Zoho Books, Hikvision
Testing	Load Testing, Performance Testing (Locust)
Tools	Git, GitHub, GitLab, VS Code