

BANDARU KUNDAN SAI PHANINDRA

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PROFESSIONAL SUMMARY

Software Engineer with 1+ year of experience delivering web applications across healthcare, infrastructure automation, and pharmaceutical domains. Proficient in React, Python (Flask/FastAPI), REST API integration, and ETL pipeline development. Hands-on with Docker, Linux, and Agile workflows; skilled at leveraging AI-assisted tooling to accelerate delivery and debugging.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C#

Frontend: React.js, Material UI, Shadcn UI, Refine, Zustand, Tailwind CSS, HTML5, CSS3, Bootstrap

Backend: Flask, FastAPI, Node.js, Express.js, ASP.NET, Frappe (ERPNext), REST APIs, ETL Pipelines

Databases: MySQL, MongoDB

DevOps & Tools: Docker, Git, GitHub, Linux, Postman

AI Tools: GitHub Copilot, Cursor, Codex

Methodologies: Agile, Scrum, SDLC, Unit Testing

WORK EXPERIENCE

Software Engineer – Goda Infotech LLP Nov 2024 – Present

- Developed and maintained full-stack web applications across healthcare, infrastructure automation, and pharmaceutical market access domains using React.js, Flask, FastAPI, and ASP.NET, contributing to end-to-end feature delivery across multiple production systems.
- Built responsive, scalable frontend applications using React.js, Material UI, Shadcn UI, TypeScript, and Zustand for state management, ensuring consistent user experience across complex enterprise workflows.
- Designed and implemented RESTful backend services using Flask and FastAPI, enabling seamless communication between frontend interfaces, third-party APIs, and internal databases.
- Engineered ETL pipelines to extract, validate, transform, and load large volumes of business-critical data from external systems and third-party REST APIs (including MMIT Network APIs) into application databases, improving data availability and consistency.
- Integrated enterprise applications with multiple third-party REST APIs to automate data exchange, synchronize workflows, and eliminate manual processing steps across healthcare and infrastructure systems.
- Implemented server automation and infrastructure provisioning solutions using Cisco CIMC APIs, reducing manual configuration overhead and standardizing deployment procedures across enterprise server environments.
- Worked with MySQL and MongoDB databases to design data models, write optimized queries, and manage application data for high-throughput healthcare and pharmaceutical platforms.
- Utilized Docker, Git, GitHub, Linux, and Postman throughout the development lifecycle for containerization, version control, environment management, API testing, and CI/CD support; actively leveraged AI-assisted tools including GitHub Copilot and Cursor to accelerate development velocity and code quality.

PROJECT EXPERIENCE

E-HMS – Electronic Healthcare Management System | Tech Stack: React.js, Flask, Frappe ERPNext Healthcare, REST APIs, MySQL

- Architected a custom Hospital Management System by integrating a React-based frontend with ERPNext Healthcare modules, enabling end-to-end management of patients, appointments, encounters, practitioners, billing, and operational healthcare workflows.
- Developed Flask-based middleware services to facilitate seamless communication between the custom frontend and ERPNext Healthcare REST APIs, ensuring reliable and consistent data flow across all modules.
- Built responsive, user-friendly UI components for complex healthcare workflows including patient registration, appointment scheduling, and clinical encounter management, improving operational efficiency for healthcare staff.
- Covered the complete development lifecycle — requirements gathering, feature development, API integration, debugging, unit testing, and deployment support — working in an Agile, cross-functional team environment.

CIMC Server Automation Platform | Tech Stack: React, Material UI, Flask, REST APIs, Cisco CIMC

- Designed and built a centralized server management platform as a cost-effective alternative to Cisco Intersight, providing a unified dashboard for monitoring, configuring, and administering multiple CIMC-enabled enterprise servers from a single interface.

- Implemented template-based bulk server provisioning workflows, Role-Based Access Control (RBAC) for secure user permission management, and Excel-based bulk import functionality to streamline large-scale server configuration and deployment processes.
- Integrated Cisco CIMC REST APIs to automate hardware status monitoring, configuration management, and server lifecycle operations, significantly reducing manual administrative effort and configuration errors across enterprise environments.
- Developed standardized, API-driven server setup procedures and automation workflows that improved deployment consistency and operational reliability across multi-server enterprise infrastructure.

Market Access Strategy Platform | *Tech Stack: React, Shadcn UI, Flask, ASP.NET, MMIT Network APIs, MongoDB*

- Contributing to a pharmaceutical market access platform designed to help drug manufacturers plan and optimize U.S. drug launch strategies by leveraging real-time healthcare insurance and formulary data from MMIT Network APIs.
- Engineered robust ETL pipelines to ingest, validate, transform, and load complex healthcare and insurance datasets from MMIT APIs into MongoDB, ensuring data quality and consistency for downstream business analytics and decision-making.
- Implemented data validation, transformation, and processing workflows that normalized diverse healthcare data formats into business-ready structures aligned with application and analytics requirements.
- Collaborated with cross-functional development teams to understand evolving business requirements and contributed to ASP.NET backend architecture, gaining exposure to enterprise-grade .NET application workflows and service design patterns.

EDUCATION

- **B.E – Computer Science Engineering** | Sathyabama University, Chennai | 2020 – 2024 | **CGPA: 8.0**
- **Intermediate (MPC)** | Prathibha Junior College | 2018 – 2020 | **88.6%**
- **SSC** | Sri Shirdhi Sai Vidya Nikethan | 2018 | **CGPA: 9.7**

ACHIEVEMENTS & ADDITIONAL INFORMATION

- Participated in Technosummit at Sathyabama University — a technical innovation & teamwork event.
- Languages: English (Professional), Hindi, Telugu (Native).
- Strong analytical thinking, problem-solving aptitude, and experience working in fast-paced Agile teams.