

BALAPANURU INDRA SENA REDDY

Full Stack Developer

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PROFESSIONAL SUMMARY

Full-stack Software Engineer with 1 year of experience in developing scalable, high-performance applications for real-time analytics and enterprise solutions. Specialized in backend development with **Python (Flask)** and Node.js, frontend development with React.js and database management with MongoDB and PostgreSQL. Strong Expertise in RESTful APIs, automation and performance optimization. **Actively seeking a Python Full Stack developer role** to build innovative, user-centric application and drive business success.

SKILLS

Programming Languages: Python, Javascript.
Frameworks/Libraries: Flask, Express.js(Node), React.js, Material UI, Redux, websocket, JWT, OAuth, Django.
Databases: PostgreSQL, MongoDB.
Other Technologies: Docker, AWS (Amplify, Lambda, EC2, S3, API Gateway), Git, Generative AI.

WORK EXPERIENCE

Sujanix Private Limited

Software Engineer

BENGALURU

Dec 2024 – Present

Key Deliverables

- Designed and implemented **scalable, high-performance applications** using **Python, React.js, Flask, Node.js, and PostgreSQL**, improving system scalability and reliability by **35%** across multiple deployments.
- Developed a **responsive React dashboard** with advanced filters and visualizations, enhancing **data accessibility and user engagement by 45%**.
- Engineered and optimized **Flask-based backend services** with **secure RESTful APIs**, resulting in a **50% improvement in data exchange speed** between frontend and backend modules.
- Automated **onboarding, account provisioning, and OCR exception handling** through **Python-based workflows**, cutting manual intervention by **70%** and boosting operational efficiency.
- Leveraged **Generative AI** for **intelligent debugging and code optimization**, reducing average resolution time by **30%**.
- Deployed and operated applications on AWS (EC2, S3, RDS, Lambda, API Gateway, Amplify)**, managing production PostgreSQL databases, environment configurations, backups, and monitoring to ensure high availability, security, and consistent performance.

PROJECTS

True Read Analytics (Python, Django, React, PostgreSQL, AWS)

Apr 2025 - Present

- Designed a role-based analytics platform for the **Government of Bihar and West Bengal**, scaling to support **500+ concurrent users** and managing **5M+ monthly utility records**
- Optimized **PostgreSQL** performance for 20M+ records using **materialized views**, reducing query response time by **60%** and accelerating reporting speed by **40%**.
- Deployed an **AWS-hosted dashboard** processing **10K+ daily OCR meter readings**, delivering automated insights and visualizations for real-time monitoring.

Teamxel – Project Management & Task Tracking Platform((Python, Flask, React, PostgreSQL, REST APIs) Feb 2025 – Apr 2025

- Developed a comprehensive platform featuring **Agile** workflows and employee performance tracking to streamline team operations and resource utilization.
- Engineered secure **Flask REST APIs** with **Role-Based Access Control (RBAC)**, enabling real-time task updates and seamless integration with the **React** frontend.
- Optimized backend performance and database queries, reducing API response times by **~35%** and significantly improving system scalability.

Crux Unifiend Endpoint Management (Python, Flask, React, PostgreSQL, AWS)

Dec 2024 – Feb 2025

- Developed an **enterprise solution** for managing and enforcing policies on **1000+ Chrome OS devices**.
- Automated **GCP account creation and policy assignments** via **Google Admin SDK and REST APIs**, reducing setup time from **15 minutes to under 2 minutes**.
- Enhanced system performance by **optimizing queries** and implementing **scheduled updates** to ensure stable, low-latency operations.
- Deployed the solution on **AWS (EC2, S3)** with **secure API integration and credential handling**, achieving a **30% cost reduction**.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

2020 – 2024

Sri Krishnadevaraya University College of Engineering and Technology | Percentage: **74%**