SATYA SAI KUMAR DWARAPUREDDY

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Python Full Stack Developer

Python | Django | MySQL |HTML | CSS | JS | REACT

Python Full Stack Developer with 3+ years of experience in the IT industry, specializing in full-cycle web application development, scalable API architecture, and modern front-end solutions. Proficient in Python, Django, JavaScript, MySQL, and Django REST Framework, with a proven track record of delivering secure, high-performance applications. Skilled at optimizing backend systems, integrating third-party APIs, and improving user interfaces. Focused on streamlining development workflows, increasing system efficiency, and solving real-world business problems through clean, maintainable code.

PROFESSIONAL EXPERIENCE

Lawrence Technological University   United states
Teaching Assistant – Programming   June 2024 – April 2025
- Facilitated the learning of students by conducting tutorials and clarifying core programming concepts, resulting improvement in assignment submissions.
- Graded student assignments weekly, providing targeted feedback that boosted average coding proficiency by 20%
- Collaborated with faculty to design quizzes and exercises, reducing course material comprehension time.

FIRSTZEN SOLUTIONS PRIVATE LIMITED   Bangalore

Project Engineer – Django & React.   June 2022 – Dec 2023
Roles & Responsibilities:
- Developed RESTful APIs using Django REST Framework to manage dynamic configurations and service metadata across services.
- Secured endpoints with JWT authentication and implemented Role-Based Access Control (RBAC) to restrict access based on user roles.
- Designed scalable PostgreSQL schemas to store versioned configuration data and optimize query performance.
- Built interactive dashboards using Django templates to enhance visibility into system health and logs.
- Documented APIs using Swagger/OpenAPI, streamlining collaboration and improving the developer onboarding process.
- Collaborated with DevOps teams to integrate CI/CD pipelines, improving deployment efficiency and release stability.
- Automated API testing using Postman to ensure service reliability and reduce manual testing efforts.

Project Trainee Intern   Jan 2022 – May 2022
- Developed modern, responsive user interfaces using React.js and TypeScript.
- Built reusable components with SCSS and modular architecture to enable scalability.
- Integrated RESTful APIs for real-time data rendering and performance optimization.
- Designed and managed global state using Redux and Context API for efficient state handling.
- Ensured cross-browser compatibility and mobile responsiveness across devices.
- Wrote and executed unit and integration tests using tools like Jest and React Testing Library.

PROFESSIONAL SKILLS

- Programming Language: Python, Java Script, TypeScript
- Frameworks & Libraries: Django, Flask, FastAPI, React.js
- Front-end Technologies: HTML, CSS, Java Script, TypeScript, SCSS
- Database: SQL Database, MySQL, PostgreSQL
- Cloud & CI/CD: Azure (Certified), Basic knowledge of CI/CD integration
- Tools: Git, Visual Studio, Jira, Notepad++, Pycharm, PostMan

PROJECTS

Health Insurance Hub

This project involved developing a web-based hub for comparing health insurance options, using technologies React, Python, Django. The application aimed to simplify the insurance selection process for users, providing a single platform for comparing plans and making informed decisions about healthcare coverage.

- Participated in the development of user stories and acceptance criteria in Agile sprints.
- Implemented backend API endpoints using Python and Django to retrieve and process insurance data.
- Created RESTful APIs for policy and user data management in collaboration with the Scrum Master.
- Identified and resolved backend defects to support stable and timely releases.
- Wrote unit and integration tests to ensure API reliability and maintain code quality.
- Collaborated with senior developers to build new features and enhance existing modules.
- Contributed to MySQL database schema design and integration for efficient data handling

FLM Bank Application

The Bank Statement Aggregator project focused on building a secure and automated system to collect and consolidate bank statements from multiple sources, utilizing technologies Python, Frontend Technologies, APIs, Cloud Platform. This application aimed to streamline financial management for users by providing a unified view of their transaction history.

- Designed and implemented frontend components using HTML, CSS, JavaScript, Bootstrap, and React.js for data visualization.
- Developed core banking features using Django, Django ORM, and SQL to ensure secure and efficient transactions.
- Integrated user authentication and role-based access control for different account types.
- Applied best practices in coding, testing, and architecture across Python, Django, SQL, and frontend development.
- Diagnosed and fixed application bugs, security issues, and performance bottlenecks.
- Actively participated in Agile ceremonies including stand-ups, sprint reviews, and team discussions.
- Used Git for version control, managed repositories, and collaborated with QA for functional testing.

EDUCATION

Master of Science in Computer Science   Jan 2024- Dec 2025

Lawrence Technological University, Michigan

Bachelor of Technology in Electronics and Communication Engineering   June 2018- June 2022

Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam

CERTIFICATIONS & ACHIEVEMENTS

- Microsoft Certified: Azure Developer Associate
- Achieved 3-Star Rating on CodeChef and 6-Star Rating – HackerRank
- Completed 150+ coding questions – LeetCode
- Joined in multiple hackathon