

Satyam Badal

Python Developer

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PROFESSIONAL SUMMARY:

- Accomplished full-stack developer with over 2+ years of hands-on experience, distinguished in both front-end and back-end development as a Web Application Developer.
- Demonstrates mastery in **Python, Django, and Fast API**, leveraging a nuanced understanding of scalable architecture, object-oriented programming, and agile methodologies.
- Expertise **React, HTML, CSS, Tailwind, Bootstrap** elevating capabilities in crafting dynamic and responsive front-end components, thereby enhancing overall full-stack development proficiency.
- Exhibits expertise in configuring and developing with diverse **Database** servers, including **MySQL** and **PostgreSQL**, establishing a robust foundation for full-stack solutions.
- Showcases adeptness in web application security and access control, contributing to the creation of secure and reliable full-stack applications.
- Proficient in implementing cloud-based solutions, utilizing **Amazon Web Services (AWS)** EC2 and AWS S3 to seamlessly integrate cloud capabilities into the full-stack development process.
- Brings extensive experience in Web Development, Web Services, Python, and the **Fast API** framework, underscoring a comprehensive skill set for end-to-end development.

TECHNICAL SKILLS:

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|------------------------------|---|
| Programming Languages | Python, Django, Flask, Fast API, Rest API. |
| IDE | Eclipse, Sublime Text, Brackets, PyCharm, Visual Studio Code. |
| Databases | MySQL, PostgreSQL |
| Operating Systems | Windows, Linux, Mac OS |
| Other Tools | JIRA, Git, Bitbucket, Docker |

EDUCATION:

- Completed B. Com with Computer Application from Barkatullah University Bhopal 2023 (M.P)

PROFESSIONAL EXPERIENCE:

- Previously Worked as a Full Stack Developer in **CADENTIAL TECHNOLOGIES PVT LTD May 2023 – Currently Working**

PROJECTS:

CADENTIAL TECHNOLOGIES PVT LTD || Full Stack Developer

Project Description:

Client: Rainbowfabart Pvt. Ltd.

Project: HRMS (Human Resource Management System) | Full Stack Developer

Environment: Python, Fast API, PostgreSQL, React, RESTful API, Git, AWS EC2, S3, GIT and Jira

Project Description:

Developed and maintained a comprehensive HRMS platform that simplifies employee management, payroll processing, and leave tracking for businesses. The system helps HR departments easily manage employee data, track attendance, process payroll, and generate reports, with a user-friendly interface accessible to both HR staff and employees.

Roles & Responsibilities:

- Developed and maintained RESTful APIs using Fast API for seamless integration between frontend and backend systems.
- Designed and managed databases with PostgreSQL to store employee data, payroll information, and attendance records.
- Implemented user interfaces with React to create a responsive, intuitive design for HR staff and employees.
- Collaborated with cross-functional teams to ensure the system met the company's HR requirements and provided a seamless experience for users.
- Deployed the application on AWS EC2 for scalability and utilized S3 for storage, ensuring high availability and reliable data access.
- Automated key HR processes like payroll generation and leave tracking, reducing manual work and increasing efficiency.
- Performed rigorous testing and debugging of APIs and frontend to ensure robustness and performance.

Project: Quality Management System (QMS)

Python Developer

Project Description:

Built a Quality Management System (QMS) to track and manage the entire lifecycle of fabric processing, from receiving raw materials to the final finished product. The system allowed the company to monitor each stage of the fabric production process—cutting, stitching, and finishing—ensuring quality control and minimizing defects

Roles & Responsibilities:

- Developed APIs using Django to manage fabric data across multiple stages of production, including quality checks at each phase.
- Designed and implemented a comprehensive database schema with PostgreSQL to store fabric batch information, processing stages, and quality control data.
- Collaborated with stakeholders from quality control, production, and inventory teams to tailor the system to business needs and ensure smooth operations.
- Automated key processes, including quality inspections and reporting, reducing manual intervention and ensuring consistent quality standards.
- Optimized the system's performance by integrating both Flask and Django for different stages of the process, depending on the specific requirements.
- Deployed the application on AWS EC2, utilizing S3 for storing documents related to quality control, such as inspection reports and fabric certifications.
- Tested the system thoroughly to ensure it met the necessary standards for accuracy, reliability, and performance.