


# SATYAJIT SAHOO

## Python Full Stack Developer

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 <https://github.com/satyajitsjs>

### OBJECTIVE :-

Full-stack developer with 3 years of experience in designing, developing, and deploying web applications using Django and React. Proficient in building scalable, secure backend services with Django, and creating dynamic, responsive frontends with React.

### SKILL SET:-

- Python, Java, C, C#, PHP, GO, Ruby
- Django, Laravel, Next.JS
- MySQL, MongoDB, SQLite3
- Html, CSS, JavaScript
- jQuery, Ajax, ReactJS, Ext JS
- Bootstrap, Figma, Tailwind CSS
- NumPy, Pandas, Power BI
- Web Scrapping, Selenium, Beautiful Soup
- Machine Learning, AI, EMQX, MQTT
- AWS, GitHub, Docker, Azure, Azure Devops, Cloudflare
- OOPS Concept, Data Structure & Algorithm
- Firebase, Keycloak, Google Console
- Logic Development, Debugging, Problem Solving

### WORK EXPERIENCE :-

#### **Software Engineer | Smartx Technology | Nov 2024 - Present**

- Working on **DevOps**, managing **Azure DevOps** pipelines and automation. Integrated machine learning models with data scientists.
- Mentoring projects, leading more than **6 projects** focused on cloud, DevOps, and backend development.
- Developing **AptPath**, a **student and college learning platform**, handling **backend development** with Django and Python.
- Building a **Task Management System** for internal company use, fully managed through the **Django Admin Panel**.

#### **Software Associate | Tritech Software Private Limited | Aug 2022 – Oct 2024**

- Developed a web-based e-commerce platform with Python, Django, HTML, CSS, JavaScript, and jQuery and Ajax, boosting online marketing by 85%.
- Created a real-time analytics dashboard using React.js and Python and Django, increasing data processing efficiency by 60%.
- Optimized MongoDB and Redis, boosting data retrieval speeds by 40%.
- Implemented CI/CD pipelines with Azure DevOps.

### PROJECT:-

#### **LoRa Gateway**

- Developed a LoRa gateway for IoT communications using Python and Django for the backend.
- Designed a GUI with React for real-time data monitoring and management.
- Integrated LoRaWAN protocol for long-range, low-power data transmission.
- Implemented secure data transmission with encryption and authentication mechanisms.
- Conducted extensive testing to ensure optimal signal range and reliability.
- [LoRa Gateway](#)

#### **Aquaculture IoT Dashboard**

- Developed an IoT dashboard for aquaculture management using Python and Django for the backend.
- Designed an intuitive GUI with React for real-time monitoring of water quality and fish health.
- Integrated various sensors (temperature, pH, dissolved oxygen) to collect data and display metrics.
- Conducted field testing to optimize sensor accuracy and dashboard reliability.
- [Aquaculture IoT Dashboard](#)

## E-Commerce Website

- Built an e-commerce platform using Django for backend functionality.
- Integrated Razorpay as the payment gateway for secure transactions
- Managed product listings, inventory, and orders through a custom admin panel.
- Implemented user authentication and order tracking
- Deployed using Docker and Docker Compose for containerization and scalability
- [Richesm Ecommerce](#)

## AptPath – Student & College Learning Platform

- Designed and implemented **backend architecture** using **Django and Python**.
- Developed APIs for course management, student progress tracking, and assessments.
- Integrated authentication using firebase and keycloak , role-based access for students, teachers, and admins.
- Optimized **database performance** to handle a high volume of users efficiently.
- [Aptpath](#)

## Task Management System (Internal Use)

- Built an internal **Task Management System** using the **Django Admin Panel**.
- Enhanced the **Django Admin Panel** by integrating **Google Authentication** and **Firebase Authentication** for secure login.
- Used **Celery** for automated **email notifications** related to task assignments and updates.
- Integrated **Firebase Push Notifications** to send real-time task updates to employees.
- Connected with **GreythR** to fetch employee details, leaves, and login/logout records.
- Ensured smooth **task tracking, employee management, and performance monitoring** through the admin interface.
- [Task Management Tool](#)

## QUALIFICATION:-

Examination	Board\University\Institute	Year	% of Mark	Division
+2(science)	Sarala Residential +2 Science Collage	2018	55.33	2 <sup>nd</sup>
B.Tech(pcpr)	Bhubaneswar Institute Of Industrial Technology	2022	73.48	1 <sup>st</sup>

## PERSONAL DETAILS:-

Date of Birth :- 04/04/2001

Gender :- Male

Nationality :- Hindu

Marital Status :- Unmarried

Languages known :- Odia, English, Hindi

## ADDRESS:-

Father's Name – Sachitra Nanda Sahoo

At- Bajpur

Post – Krushna Nagar Patna

Block – Kakatpur

District – Puri

State - Odisha

Pin – 752108

## DECLARATION:-

I hereby declare that all the information given above is true to the best of my knowledge.

Place:-

Date:

Signature of Candidate