

**FULL STACK DEVELOPER - (CONSULTANT)**

(JAN 2024 – PRESENT)

- **Project Details:** working on a smart AI driven personal and enterprise wealth management platform to help businesses and individuals to manage assets, stocks, bonds, securities and future contracts
- **Back-End Development:** working with **Python** and **DJANGO** to build the entire portfolio management system based on AI models like **GPT-4** and **financial data models**
- **Authentication & Security:** Implemented OAuth, social login (Google, Facebook), and JWT authentication
- **API Development & Integration:** Built and documented RESTful APIs using **Swagger**, ensuring seamless integration with third-party services.
- **Database & Business Logic:** Designed **MongoDB schemas**, optimized queries, and implemented complex business logic for order processing and delivery tracking
- **Roles and responsibilities:** backend development, deployment, unit testing and integrating APIs

EPIX-SOLUTIONS - (FULL STACK DEVELOPER)

(OCT 2023)

- **Project Details:** Build a custom Shopify application that would deliver products to clients using a secured delivery platform
- **Back-End Development:** Designed and developed a secure and scalable backend using Node.js, Python, **DJANGO**, MongoDB, and REST APIs
- **Authentication & Security:** Implemented OAuth, social login (Google, Facebook), **JWT authentication**, and **role-based access control (RBAC)** to enhance security
- **Database & Business Logic:** Designed **MongoDB schemas**, optimized queries, and implemented complex business logic for order processing and delivery tracking
- **API Development & Integration:** Built and documented RESTful APIs using **Swagger**, ensuring seamless integration with third-party services.
- **Microservices Architecture:** Developed microservices for modularity, ensuring **scalable and efficient** backend services deployed on **AWS EC2**
- **Cloud Deployment and Hosting:** Deployed and managed the platform using AWS EC2 for robust and scalable infrastructure, ensuring high availability and performance under varying load.
- **Unit Testing:** Wrote unit test cases for the application using **PyTest** unit testing library
- **Roles and responsibilities:** end-to-end development, deployment, unit testing and integrating APIs

WALTANCE SERVICES – (FULL STACK DEVELOPER)

(APR 2022- NOV 2022)

- **Project Details:** Build an e-commerce integration platform which allowed merchants and sellers to sell across multiple e-commerce platforms and manage inventories.
- **Front-End Development:** Developed the frontend using core technologies such as **HTML5, CSS3, JavaScript, ReactJS, BootStrap** and **TypeScript**
- **Authentication & Security:** Integrated OAuth, **JWT authentication**, and **two-factor authentication (2FA)** for secure merchant and customer access
- **Database & Business Logic:** Designed relational database schemas in **PostgreSQL/MySQL**, implemented **inventory management logic** and order synchronization across multiple platforms
- **Microservices & API Integration:** Developed and optimized API services for seamless interaction between merchants and multiple e-commerce platforms
- **UI/UX Implementation:** Translated **Figma** designs into responsive user experience across devices
- **Back-End Development:** worked on the backend using **Python, DJANGO, GraphQL** and **PostgreSQL** and third-party **APIs** focusing on secure and efficient data handling.
- **Unit Testing:** Wrote unit test cases for the application using **PYTEST** unit testing library
- **Roles and responsibilities:** end-to-end development, unit testing and integrating APIs

AMAZON

(JUN 2019 – APR 2021)

- Worked on Catalogue related data sets by updating, correcting, manipulation, deleting and modifying using **SQL** queries and Excel VBA macros for various Amazon web sites and different market places like European market, American market and Asian market places
- Worked on backfilling of data for products sold on Amazon web site (Amazon.fr) and (Amazon.co.uk) with 100% accuracy and a backfilling rate of minimum of 60% and above by searching and sorting large data sets using **SQL** queries and automating manual task using Python and selenium frameworks
- Worked on a project using **JavaScript**, Tamper Monkey script and **JQuery** and **Python** to build a script to automate tasks by reducing manual effort for searching particular information by 30%
- Added responsibilities worked on Ad-hoc task by collating multiple teams data using **JSON** and Excel for checking efficiency and providing insight on how to improve the process

PROJECTS

- **CR SHOPIFY APP – SECURED DELIVERY APP – PYTHON stack web application – [HTML5+CSS3+JAVASCRIPT+REACTJS+NODEJS+PYTHON +MONGODB+FLASK+ DJANGO + SHOPIFY]**
Build a Shopify delivery application that delivers products securely using advance encryption and secured transactions. The app uses multiple third party APIs like Shopify API, Google Maps APIs and OTP APIs
- Roles and responsibilities worked on frontend, backend and Testing
- **E-COMPLT – E-commerce Integration Platform – PYTHON stack web application – [HTML5+CSS3+JAVASCRIPT+REACTJS+NODEJS+PYTHON+MONGODB+ DJANGO]**
Build an e-commerce integration web application using MERN stack technology which allowed merchants and sellers to sell products simultaneously on various e-commerce platforms
-Roles and responsibilities worked on frontend, backend and API integrations
- **BUILDER 4 DASHBOARD AI – MERN stack web application- [HTML5+CSS3+BOOTSTRAP+JavaScript+MUI+REACTJS+NODEJS+SOCKET.IO+SQL]**
Designed and developed **BUILDER 4 DASHBOARD AI** tool which allows users to build dashboards for interactive web applications used in health care domains, enterprise applications and customized tools
Link: <https://kb0002.github.io/builder4dashboard/>
-Roles and responsibilities worked on frontend, UI UX design, API integrations and Deploying the application
- **YOU AND I STORE – E – Commerce App – MERN Stack web application – [HTML5+CSS3+JAVASCRIPT+REACTJS+NODEJS+MONGODB]**
Build a MERN stack E-Commerce application by using modern frameworks and technologies. The app allows to choose products based on dynamic pricing and deliver securely
Link: <https://kb0002.github.io/You-And-I-Store/>
-Roles and responsibilities worked on backend and API integrations
- **Switch Commune Bootcamp- PYTHON stack web application – [HTML5+CSS3+JAVASCRIPT+REACTJS+NODEJS+ DJANGO+PYTHON +SOCKET.IO+SQL]**
Build a fully scalable optimized web application to help students and working professionals gain fundamental IT knowledge
Link: <https://kb0002.github.io/switch-Commune/>
-Roles and responsibilities worked on backend, Testing and Deploying

SKILLS

- **Languages:** Python, JavaScript, Node.js, SQL, PostgreSQL, MongoDB, MySQL
- **Framework & Libraries:** React, Flask, Django, FastAPI, Express.js, NestJS
- **Authentication & Security:** OAuth, JWT, Social Login, RBAC, API security best practices
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, CI/CD, Jenkins
- **Testing & Debugging:** PyTest, Jest, Postman, Unit Testing
- **Tools:** Git, Postman, Redis, Jira, Kafka

EDUCATION

- **Software Engineering - Indian Institute of Technology Kharagpur – IIT KGP:** (JUN 2023 – NOV 2023)
Main coursework:
 - SDLC, PROGRAMMING, TESTING, DATA STRUCTURES AND ALGORITHMS, DATABASES, NETWORKING
- **Software Testing – Indian Institute of Technology Kharagpur – IIT KGP:** (JAN 2022 – APR 2022)
Main coursework:
 - Software testing and process, Black box testing, White box testing, Integration, regression and system testing, Case Study
- **Data Science For Python – Indian Institute of Technology Madras – IIT M:** (JUN 2021 – SEPT 2021)
Main coursework:
 - Python, Data Analysis Techniques, Data Science, Machine Learning, Case Study
- **Information Technology - Computer Management Concern – CMC (formerly TCS ION):** 2018 –2019
 - C, C++, Web Design and Development (HTML, CSS, JavaScript, PHP, MySQL)
 - Java Technology (Core + Advance), Android Development
- **SAICE (College):** (2014 –2017)
BSc - Electronics
 - **Main coursework:** Analog Circuits, Digital Circuits, Circuit Design, Arduino, Verilog, Programming
 - **Final Year Project:**
Build Water Level Controller a semi-automated system which detects water level in real time in water tank and switches on the pump if needed to fill the tank