

SATYAM SONI

Indore, Madhya Pradesh | satyamsoni@hotmail.co.uk | +91-7697066634
github.com/satyamsoni2211 | linkedin.com/in/satyamsoni | satyamsoni.in

WORK EXPERIENCE

Technical Architect – Real Estate, Finance

Jan 2022 - Present

SenecaGlobal Solutions Pvt Ltd., Hyderabad, Telangana

- Led the development and integration of microservices using Python (FastAPI, Flask) on AWS, enhancing the platform's scalability and enabling seamless data flow between modules.
- Designed and implemented ETL workflows using Airflow to ingest and load data from various vendors and sources, ensuring data quality and consistency.
- Spearheaded the development of "Fusion," an AI-powered chatbot for clients, designed to address real estate queries by employing GraphRAG for knowledge graph interaction and entity disambiguation for precise query to Cypher text conversion, enhancing client engagement and information retrieval.
- Leveraged Generative AI models like GPT-4o to automate content extraction from HTML files, improving efficiency by 50%.
- Incorporated microservices architecture for high availability and segregation of responsibilities among the application, improving suite load time, manageability, scalability and operational efficiency by 50%.
- Implemented a micro-frontend architecture to create a suite of multiple tools under a single platform, benefiting from features like single point of authentication, state sharing, and event sharing.
- Recommended and implemented a streamlined deployment process using Docker and ECS, reducing deployment time by 30% and improving system reliability.
- Established a collaborative workflow using JIRA and Confluence, improving communication and alignment between the development, testing, and deployment teams.
- Directed sprint planning, code reviews, and provided technical guidance to a team of 10+ developers, ensuring timely project delivery and high-quality outcomes that met client specifications.

Senior Software Engineer – Finance, R&D

Jan 2020 - Jan 2022

HSBC Software Development (India) Pvt. Ltd., Pune, Maharashtra

- Developed scalable Full-Stack solutions using scalable Python-based frameworks (Django, Flask) and ReactJs, and deployed containerized services over ECS.
- Developed Micro-services for automation using Golang, boosting performance by 30%.
- Collaborated with a distributed team of 10+ developers across multiple locations, utilizing Agile methodologies and Kanban to ensure efficient project delivery.
- Automated testing and monitoring processes, reducing incidents by 15%.
- Designed fault-tolerant and high availability cloud-native architectures on AWS, optimizing system availability while overseeing junior developers' progress.
- Conducted knowledge-sharing sessions to introduce Python automation tools, improving team productivity by 15%.

Associate Consultant – Investment Banking, Finance

Jan 2019 - Dec 2019

Infosys Ltd, Pune, Maharashtra

- Built full-stack applications using Python (Django, Flask) and ReactJS, enhancing data processing efficiency by 40%.
- Developed REST APIs and integrated dynamic frontend components using Angular and React.
- Created Python-based machine learning pipelines for data analytics, improving insights generation.
- Automated backend testing with Python, reducing bugs in production by 15%.

Front End Developer – Telecom

Aug 2018 - Jan 2019

Amdocs Development Centre India LLP, Pune, Maharashtra

- Developed reusable ReactJS components and integrated them with Python-based REST APIs (Flask, Django).
- Enhanced frontend performance by 25% through optimized React development and seamless API integration.
- Conducted frontend testing using Mocha and Chai to ensure high code quality.
- Collaborated with backend teams to resolve technical issues and improve application performance.

ETL DevOps Developer – Finance/Banking

Jul 2016 - Apr 2018

Gemini Solutions Pvt Ltd., Gurugram, Haryana

- Automated ETL processes using Python and Shell scripting, reducing manual data handling by 50%.
- Developed Python frameworks for data validation and scraping, streamlining data operations.
- Integrated ETL systems with ReactJS frontends, delivering real-time insights to stakeholders.
- Optimized data extraction workflows, improving processing times by 30%.

EDUCATION

Bachelor of Engineering in Computer Science: Computer Science

Jan 2012 - Jun 2016

Chamelidevi School of Engineering, Indore, Madhya Pradesh

GPA 75/100

SKILLS

- **Programming Languages:** Python, Golang, C#, TypeScript, NodeJS, Shell Scripting, SQL
- **Frameworks & Libraries:** Django, FastAPI, Flask, Pyspark, ReactJS, Angular, Scikit-learn, Numpy, Pandas, GRPC, Vue.js, PyTorch, Langchain, OpenAI, .Net Core, Gin, Gorm
- **Databases:** MySQL, MongoDB, PostgreSQL
- **DevOps & Tools:** Docker, Kubernetes, ElasticSearch, Redis, Swagger, Airflow, Terraform
- **Version Control:** GIT, BitBucket
- **Cloud Technologies:** AWS (EC2, S3, RDS, Lambda), MWAA
- **Operating Systems:** Windows, Linux, Unix, MAC
- **Other Tools:** JIRA, Confluence, SharePoint

PROJECTS

FUSION

SenecaGlobal Pvt. Ltd., Hyderabad, Telangana

- Developed an AI-powered chatbot exposed to clients for real estate related queries, utilizing GraphRAG and entity disambiguation to resolve queries into Cypher text and generate accurate, relevant responses.
- Designed chatbot integration for real estate client queries, increasing response accuracy by 25%.
- Implemented GraphRAG and entity disambiguation, decreasing query resolution time by 30%.
- Enhanced user engagement and satisfaction with the AI chatbot, leading to a 20% increase in client retention.

HTML Parser and Extractor

SenecaGlobal Pvt. Ltd., Hyderabad, Telangana

- Designed and implemented robust Python-based tools for parsing and extracting structured data from diverse HTML documents, leveraging the LLM GPT-4o model and detailed prompts for context extraction.
- Increased data processing speed by 30% through enhanced parsing algorithms.
- Reduced manual data extraction efforts by 40% by automating complex HTML content parsing tasks.
- Led a cross-functional team to successfully deploy the HTML extraction tool in 15 client projects, significantly improving workflow efficiency.

Utility Framework

SenecaGlobal Pvt. Ltd., Hyderabad, Telangana

- Developed a Python-based centralized utility framework to manage logging, Terraform, Docker, and notifications, significantly reducing manual intervention during deployments.
- Implemented automated logging and monitoring system that reduced downtime by 40%.
- Integrated Docker containers and Terraform scripts to streamline deployment processes, resulting in a 30% increase in deployment speed.
- Facilitated team collaboration by providing notification integrations that enhanced update transparency and coordination by 25%.

Vendor Data Ingest

SenecaGlobal Pvt. Ltd., Hyderabad, Telangana

- Automated data ingestion using Apache Airflow and AWS services, cutting down manual data entry by 60%.

Tool Suite

SenecaGlobal Pvt. Ltd., Hyderabad, Telangana

- Created a collection of FastAPI, Vue, and React-based tools, consolidating operations under a micro-frontend architecture, improving team collaboration by 30%.

Automatic Certificate Renewal

HSBC, Pune, Maharashtra

- Executed the development of a Python Django tool for automatic certificate renewal and server refresh, enhancing system efficiency and cybersecurity.
- Reduced manual server interventions by 70% through the implementation of an automated renewal tool.
- Developed a Golang-based microservice to periodically assess certificates, marking them for renewal near expiry, enhancing renewal accuracy and system reliability.

SUMMARY

- Results-driven Technology Specialist with 9+ years of experience delivering data-centric solutions, driving software development, and implementing ETL pipelines and platform integration solutions to unlock scale across the finance, telecom, and real estate industries.
- Proven expertise in Artificial Intelligence (AI) and Large Language Models (LLMs), leveraging cutting-edge techniques to develop intelligent solutions.
- Adept at establishing collaboration frameworks for internal teams, building strong relationships with stakeholders, and recommending process improvements to optimize workflows.
- Passionate about innovation and building solutions that empower internal and external stakeholders.