Joshua Singh

joshuassingh7@gmail.com • https://linkedin.com/in/JoshSSingh • https://jawa-san.github.io/Portfolio/ • https://github.com/Jawa-San • Orlando, FL

PROFESSIONAL SUMMARY

Detail-oriented Web Administrator & IT Support Specialist with a strong background in website administration, server management, and cybersecurity. Expert in optimizing web performance, integrating low-code solutions, and providing technical support to enhance operations. Proven experience in developing automation tools to streamline workflows, ensuring security and scalability of web infrastructures.

TECHNICAL SKILLS

WordPress Administration • HTML • CSS • JavaScript • Cloud Hosting • Server Management (AWS, cPanel) • Cybersecurity Protocols • ETL Pipelines • YAML • Java • Low-code Platforms • Airtable • Zapier • Decision Engines • Process Optimization • Collaboration • Industry Alignment

PROFESSIONAL EXPERIENCE

AI Workflow Automation Developer | L&S; Logistic Services | Orlando, FL | Mar. 2024 - Oct. 2024

- Designed and built low-code automation tools that streamlined warehouse and delivery workflows, enhancing logistics efficiency while minimizing manual processes.
- Developed AI-powered systems using Python and YAML to automatically process shipping data, effectively troubleshooting and optimizing data routing based on location and urgency.
- Integrated workflow tools such as Airtable and Zapier to simplify operations for non-technical staff, ensuring user-friendly access to web-based solutions.
- Collaborated with logistics managers to identify shortcomings in current processes, deploying AI workflows that automated routine tasks, including inventory and shipment tracking management.

Research Assistant | University of Central Florida, Prof. Boloni's Lab | Orlando, FL | 2023

- Developed automated workflows for data collection and analysis in AI-driven content detection, ensuring reproducibility and operational excellence.
- Created low-code tools that empowered researchers to visualize outputs and manage complex datasets without advanced programming knowledge.
- Designed decision-making workflows integrating machine learning predictions, improving operational efficiency in research pipelines.
- Thoroughly documented processes to promote collaboration and knowledge transfer, enabling future researchers to enhance established workflows.

PROJECTS

AI-Driven Media Workflow Engine

- Created a modular, low-code media workflow builder with YAML, facilitating non-technical users in configuring and executing AI-driven processes.

• Developed a decision engine utilizing Airtable and OpenAI API to categorize and route media content based on metadata, AI tagging, and validation protocols.

• Implemented ETL pipelines for data ingestion and transformation, ensuring robust testing frameworks and real-time operations for media content management.

• Engaged closely with stakeholders from media organizations, aligning workflows with operational constraints and fluid platform requirements.

Technologies: YAML, Python, Airtable, OpenAI API, Node.js

Website-Integrated Chatbot

• Developed a full-stack chatbot application that enhanced user interaction through context-aware responses, showcasing expertise in API integration and front-end technologies (JavaScript, Node.js).

• Implemented comprehensive unit testing and data management strategies, ensuring software deliverables were of the highest quality and reliability.

• Actively participated in agile development practices, engaging in team discussions to adapt and refine solutions for optimized user experiences.

Technologies: JavaScript, React, Node.js, OpenAI API

EDUCATION

Bachelor's Degree in Computer Science and Minor in Computational Mathematics and Health Sciences | University of Central Florida | Graduated May 2024

Honors: Received Florida Academic Scholars Bright Futures Scholarship offered to students for 4.0 GPA