

Joshua Singh

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PROFESSIONAL SUMMARY

Dedicated IT Support Specialist and Web Administrator with extensive experience in managing web infrastructure, ensuring security, optimization, and seamless performance of websites. Proficient in WordPress administration, cloud services, and backend management, with a strong focus on enhancing user experience and operational efficiency. Adept at troubleshooting technical issues, implementing security protocols, and collaborating with teams to optimize digital assets.

TECHNICAL SKILLS

WordPress Administration • Server Management (AWS, cPanel) • Cybersecurity Protocols • HTML, CSS, JavaScript • Database Management (MySQL, PostgreSQL) • SEO Optimization • Website Performance Monitoring • Automated Monitoring Tools • API Integrations • Collaboration • Process Optimization • Low-code Platforms (Zapier, Airtable)

PROFESSIONAL EXPERIENCE

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

- Managed and optimized digital workflows with low-code automation tools to enhance logistics operations, ensuring high performance and minimal downtime.
- Leveraged Python and YAML to develop responsive IT solutions that processed shipping data in real-time and improved decision-making processes.
- Integrated various tools like Airtable and Zapier to improve team collaboration and facilitate user-friendly workflow management without extensive technical knowledge.
- Collaborated with logistics managers to identify operational challenges and deploy automation workflows that enabled quick returns to efficient inventory management and shipment tracking.

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

- Developed and maintained automated systems for data collection and analysis on AI-driven projects, enhancing efficiency in data workflows.
- Created low-code tools for effectively visualizing outcomes and managing datasets, ensuring ease of use for research teams without advanced programming expertise.
- Designed decision-making flows that smoothly integrated machine learning predictions, optimizing the research process for scalability and repeatability.
- Maintained comprehensive documentation of technical workflows, supporting ongoing collaboration and future scalability for new research efforts.

PROJECTS

AI Resume Optimization Platform

- Engineered PDF parsing and structured text extraction features to enhance resume processing and facilitate efficient AI-driven analysis.
- Created job posting scrapers and NLP pipelines that extract essential recruitment specifics, optimizing the candidate matching process.

- Designed an interactive web interface delivering instant feedback to users, aiding in quick iterations of resumes to align with industry-specific demands.

Technologies: Python, OpenAI API, React, PostgreSQL, PDF Parsing

AI Video Generation Platform for Social Media

- Integrated OpenAI API to streamline content summarization, making educational videos engaging and accessible for diverse audiences.
- Constructed a robust video rendering pipeline synchronizing AI audio outputs with animated sequences tailored for social sharing.
- Implemented a user-friendly dashboard for managing content, permitting flexible customization and seamless publication to multiple platforms.

Technologies: Python, OpenAI API, FFmpeg, React, Text-to-Speech

Custom AI Chatbot Builder for Small Businesses

- Built a comprehensive content ingestion system that efficiently extracts vital business data to generate meaningful customer support interactions.
- Utilized OpenAI API with RAG for precision in responses, ensuring alignment with business guidelines and knowledge bases.
- Established a customizable widget framework to facilitate easy integration into client websites, minimizing technical barriers for implementation.

Technologies: Python, OpenAI API, JavaScript, Web Scraping, Embeddings

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