Joshua Singh

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PROFESSIONAL SUMMARY

Detail-oriented Software Developer with a strong foundation in clean coding principles and modern technologies. Proven ability to design and develop robust software solutions, focusing on customer-centric outcomes and collaboration with cross-functional teams. Eager to contribute strong analytical skills and a passion for technological innovation in a dynamic, growth-oriented environment.

TECHNICAL SKILLS

Java • React • JavaScript • TypeScript • SQL Server • YAML • Low-code Platforms • Airtable • Zapier • ETL Pipelines • Decision Engines • Process Optimization • Collaboration • Innovation • Industry Alignment

PROFESSIONAL EXPERIENCE

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

- Developed and maintained low-code automation tools that enhanced logistics workflows, achieving measurable efficiency improvements in operations.
- Collaborated closely with cross-functional teams, employing Java, Python, and YAML to design scalable solutions for automated shipment processing and issue resolution.
- Integrated sophisticated visualization tools with Airtable and Zapier, empowering non-technical team members to navigate workflows effectively.

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

- Engineered automated workflows for data collection and analysis in projects leveraging AI, contributing to improved research outcomes and operational efficiency.
- Designed low-code solutions for visualizing model outputs and managing datasets, facilitating collaboration among researchers with varying programming expertise.
- Incorporated decision-making algorithms into research pipelines, enhancing the reproducibility and integrity of study findings.

PROJECTS

AI Resume Optimization Platform

- Developed a SaaS platform leveraging OpenAI API to enhance resumes by aligning candidate skills with job requirements for improved ATS compatibility.
- Engineered advanced PDF parsing and text extraction capabilities to facilitate structured data creation for AI analyses and targeted improvements.
- Integrated NLP pipelines to extract essential job criteria, ensuring consistent optimization based on vibrant industry trends and user needs.

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

AI Video Generation Platform for Social Media

• Created a SaaS application transforming textual prompts into engaging video content, directly aligning with social media trends and audience engagement strategies.

• Utilized OpenAI API for dynamic content summarization and script generation, optimizing educational material for multimedia formats.

• Developed a user-friendly dashboard for video management and customization to empower content creators in producing tailored educational content.

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

Custom AI Chatbot Builder for Small Businesses

• Launched a SaaS platform that enables small businesses to implement AI-driven chatbots customized based on their specific use cases and knowledge bases.

• Engineered a web scraping system to streamline content ingestion, facilitating accurate customer support responses aligned with business information.

• Integrated the OpenAI API to ensure chatbot intelligence is adaptive and contextually relevant, fostering high engagement and customer satisfaction.

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