Joshua Singh

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PROFESSIONAL SUMMARY

Results-oriented Full-stack Software Engineer with a strong foundation in software engineering principles and a passion for developing innovative solutions. Adept at delivering high-quality, customer-centric applications by leveraging cutting-edge technologies and frameworks. Proven track record in collaborating with cross-functional teams to translate business needs into effective technical solutions and ensure seamless deployment of software products.

TECHNICAL SKILLS

Full-Stack Development • React • Python • Java • Cloud-Native Engineering • AI/ML Integration • YAML • ETL Pipelines • Low-code Platforms • Collaboration • Process Optimization • Innovation

PROFESSIONAL EXPERIENCE

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

- Designed and developed full-stack low-code automation tools, optimizing warehouse and delivery workflows, significantly improving logistics efficiency and reducing operational costs.
- Engineered solutions using Python and YAML to implement AI-driven systems that automate the processing of shipping data, ensuring timely routing and resolution of delivery issues.
- Collaborated with logistics teams to identify core challenges and delivered technical advocacy on AI integrations that streamlined routine tasks, enhancing cross-functional efficiency.

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

- Created automated workflows for data collection and analysis, enhancing research throughput while integrating complex AI methodologies into study design.
- Developed low-code tools for data visualization, enabling researchers to draw insights effectively without advanced technical training, fostering a customer-centric approach to research outputs.
- Implemented decision-making frameworks utilizing machine learning predictions, ensuring project KPIs were met and effectively communicated to diverse stakeholders.

PROJECTS

AI Resume Optimization Platform

- Engineered PDF parsing and text extraction capabilities for seamless resume analysis, optimizing user portfolios through AI-driven keyword enhancements.
- Built job posting scraping tools paired with NLP pipelines to distill essential job requirements, facilitating market-aligned resume modifications.
- Created an interactive web interface with real-time feedback loops, significantly improving applicant engagement and ATS compatibility.

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

AI Video Generation Platform for Social Media

- Integrated advanced AI scripts using OpenAI API to generate engaging scripts from educational materials, driving user interaction across social platforms.

• Established a customized video rendering pipeline to enhance video quality, meeting delivery standards for diverse content formats.

• Designed a user-oriented dashboard for effortless content management, enhancing creator accessibility through tailored solutions.

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

Custom AI Chatbot Builder for Small Businesses

• Developed onboarding tools to streamline the integration of web-scraped content into chatbots, ensuring aligned and contextual customer support interactions.

• Utilized OpenAI API for contextual accurate response generation, upholding brand insights and information accuracy in the chat capabilities.

• Constructed embeddable UI components that are easily adaptable, allowing small businesses to implement sophisticated chat without obscuring technical barriers.

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