Joshua Singh

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with a solid foundation in modern software engineering practices and a passion for developing high-quality, innovative solutions. Proven expertise in leveraging multiple programming languages and frameworks to optimize systems and processes, delivering exceptional outcomes and enhancing customer satisfaction. Committed to thorough collaboration in cross-functional teams, driving accountable engineering practices that align technology with business objectives.

TECHNICAL SKILLS

React • Python • Java • AWS (Lambda, Glue, Step Functions) • ETL Pipelines • Microservices Architecture • Low-code Platforms • YAML • Process Optimization • Collaboration • Innovation • Advanced Software Engineering Practices

PROFESSIONAL EXPERIENCE

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

- Developed and implemented low-code automation tools using Python and React to enhance logistics workflows, resulting in significant efficiency gains and cost reductions.
- Designed and executed AI-powered systems that leveraged ETL pipelines for real-time processing of shipping data and delivery prioritization, ensuring alignment with customer needs.
- Collaborated with logistics managers to define requirements and optimize AI workflows to streamline tasks, such as inventory management and shipment tracking.

Full-Stack Developer | University of Central Florida, Prof. Boloni's Lab | Orlando, FL | 2023

- Created robust automated workflows for data collection and analyses that incorporated machine learning to improve research efficiency and ensure reproducibility.
- Developed user-friendly low-code tools to enable researchers to visualize machine learning model outputs while managing datasets without extensive programming knowledge.
- Documented processes to support seamless collaboration among researchers, empowering future teams to build on previously established frameworks.

PROJECTS

AI Resume Optimization Platform

- Developed a robust PDF parsing system for effective resume data extraction, enabling AI-driven analysis for resume enhancement based on ATS compatibility.
- Implemented an NLP pipeline to continuously update job posting extraction processes, enhancing the accuracy of candidate skill matching.
- Designed a responsive web interface that provides real-time recommendations, ensuring users align their profiles with industry standards to improve job market success.

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

Custom AI Chatbot Builder for Small Businesses

  • Developed web scraping tools integrated with OpenAI API for contextual customer support, enabling chatbots to provide precise and relevant assistance to users.

  • Engineered auto-learning mechanisms within the chatbot to continuously update responses according to evolving business knowledge and customer interactions.

  • Built modular UI components allowing seamless integration into existing websites, optimizing user experience without extensive technical intervention.

  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