

Joshua Singh

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• <https://github.com/Jawa-San> • Orlando, FL

PROFESSIONAL SUMMARY

Innovative Software Engineer with experience in frontend and backend development, specializing in building robust applications using Java and React. Proven expertise in developing low-code solutions and automating complex workflows. Equipped with strong problem-solving skills, a collaborative mindset, and a dedication to enhancing user experience driven by customer needs.

TECHNICAL SKILLS

React • Java • Object-oriented Programming • Web Services • REST Architecture • Low-code Platforms • YAML • ETL Pipelines • Process Optimization • Collaboration • Innovation

PROFESSIONAL EXPERIENCE

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

- Designed and maintained low-code automation tools, significantly enhancing logistics efficiency and reducing the time for implementation.
- Developed and optimized Python and YAML-based AI systems for automating processing and improving performance of logistics workflows.
- Collaborated with cross-functional teams to identify integration opportunities, streamlining operations for better scalability.

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

- Created automated integrated workflows to enhance data collection and analysis for AI-driven research, increasing overall throughput and reproducibility.
- Developed low-code visualization tools that empowered researchers to manage datasets without advanced programming, thereby easing operational workflows.
- Documented and streamlined all processes, fostering collaboration and enabling future development of scalable research initiatives.

PROJECTS

AI Resume Optimization Platform

- Developed a SaaS application that intelligently analyzes job postings, optimizing resumes through an integration with OpenAI API to align candidate skills with requirements.
- Implemented real-time feedback systems enabling users to iteratively refine resumes based on industry-specific recommendations and ATS compatibility scores.
- Built robust backend systems with PDF parsing and natural language processing pipelines that automate data extraction and enhance the effectiveness of optimization.

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

Custom AI Chatbot Builder for Small Businesses

- Developed an extensible SaaS platform utilizing OpenAI API, enabling seamless deployment of custom AI chatbots specifically tailored for small business needs.

- Integrated advanced content ingestion systems that extract and structure business information to ensure contextual support through RAG methodologies.
- Designed a highly customizable dashboard, which enhances UI interaction and allows for effective management, fostering user 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