

Joshua Singh

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

PROFESSIONAL SUMMARY

Results-driven software developer with expertise in Java and low-code platform integration. Proven ability to harness technology to address complex business problems and drive efficiencies in logistics and research contexts. Adept at articulating technical challenges in clarity to stakeholders and fostering long-term partnerships through innovative solutions.

TECHNICAL SKILLS

Java • Low-code Platforms • Process Optimization • Python • ETL Pipelines • Collaboration • Innovation • TDD & Testing Frameworks (JUnit, Mockito) • CI/CD Principles • YAML • SDVI (or similar) • Decision Engines • Airtable • Zapier • Industry Alignment

PROFESSIONAL EXPERIENCE

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

- Developed automated workflows integrating Java-based solutions, dramatically enhancing logistics efficiency and minimizing manual data entry.
- Collaborated with logistics managers to deploy decision engines that automated inventory updates and shipment tracking, ensuring streamlined operations.
- Utilized low-code platforms and integrated tools like Airtable and Zapier to simplify process management for non-technical staff, resulting in improved productivity.

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

- Streamlined data collection and analysis with automated workflows utilizing Java, enhancing research on AI-driven content detection significantly.
- Designed decision-making flows to effectively integrate machine learning predictions into study pipelines, improving reliability and efficiency in research outcomes.
- Facilitated collaboration by documenting all processes to equip future researchers with reusable automated workflows.

PROJECTS

AI Resume Optimization Platform

- Engineered a PDF parsing system to convert uploaded materials into structured data for thorough keyword analysis tailored for ATS compatibility.
- Created a cloud-based job posting scraper and NLP pipeline that extracted essential requirements from various digital platforms, guiding users to enhance their application materials.
- Implemented an intuitive web interface allowing real-time feedback for iterative resume improvements based on industry-standard practices.

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

Custom AI Chatbot Builder for Small Businesses

- Designed a robust content ingestion system to intake and structure business information for precise and contextual customer interactions.
- Employed Java and OpenAI API with retrieval-augmented generation (RAG) methods, ensuring chatbot responses aligned accurately with client offerings.
- Developed an embeddable widget system with customizable UI components facilitating hassle-free integration into existing websites.

Technologies: Java, 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