

Joshua Singh

joshuassingh7@gmail.com • <https://linkedin.com/in/JoshSSingh> • <https://jawa-san.github.io/Portfolio/>
• <https://github.com/Jawa-San> • Orlando, FL

PROFESSIONAL SUMMARY

Detail-oriented software developer with experience in building and optimizing automated systems for data processing and logistics. Proficient in Python and low-code platforms, with a focus on delivering scalable backend solutions that enhance efficiency and collaboration. Eager to leverage skills in backend development, process optimization, and effective communication to contribute to innovative solutions in fast-paced environments.

TECHNICAL SKILLS

Python • AWS • Kubernetes • MySQL • ETL Pipelines • YAML • Low-code Platforms • Collaboration • Process Optimization • Innovation • Decision Engines • Zapier • Industry Alignment

PROFESSIONAL EXPERIENCE

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

- Developed backend systems for logistic operations using Python, facilitating data processing automation for improved accuracy and speed.
- Executed scalable ETL pipelines that processed shipping data in real-time, effectively minimizing errors and enhancing workflow efficiency.
- Collaborated with logistics managers on automating routine inventory and shipment tracking tasks, contributing to reduced operational overhead.

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

- Designed and implemented automated data collection and analysis systems, improving the reproducibility of AI-driven research workflows.
- Integrated low-code tools to streamline model outputs visualization, making it accessible for interdisciplinary collaboration.
- Designed decision engines utilizing machine learning predictions to optimize study processes, enhancing the overall efficiency of research activities.

PROJECTS

AI Resume Optimization Platform

- Developed a SaaS platform that utilizes AI algorithms to enhance resume relevance, ensuring alignment with job requirements and ATS functionality.
- Implemented robust data processing capabilities for resume analysis with PDF parsing, producing structured data to improve optimization strategies.
- Created a responsive web interface that provides real-time feedback on resume adjustments, facilitating user engagement and satisfaction.

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

Custom AI Chatbot Builder for Small Businesses

- Engineered a SaaS solution allowing small businesses to deploy tailored AI chatbots trained on proprietary content, enhancing customer engagement.

- Authored a content ingestion system to structure client data, improving the contextual accuracy of chatbot responses.
- Utilized OpenAI API to ensure the chatbot's KNowledge-augmented capabilities aligned with business offerings, delivering targeted customer support.

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