

Joshua Singh

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

PROFESSIONAL SUMMARY

Detail-oriented Software Developer with experience in developing and optimizing high-quality applications on both Linux and Windows platforms. Proven expertise in building low-code automation tools, integrating artificial intelligence, and utilizing agile project management tools. Committed to enhancing software functionality and user experience through collaborative problem-solving and innovative solutions.

TECHNICAL SKILLS

Software Development • Python • Automation • AI Systems • ETL Pipelines • Debugging and Testing Techniques • Collaboration (Jira, Confluence) • Process Optimization • Low-code Platforms • SDVI • Industry Alignment • YAML • Java

PROFESSIONAL EXPERIENCE

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

- Developed and maintained low-code automation tools for optimizing logistics workflows across both Linux and Windows platforms, enhancing reliability and performance while significantly minimizing manual workload.
- Integrated systems using Python and YAML to streamline processing of shipping data, incorporating debugging techniques for continuous improvement of software reliability.
- Collaborated with cross-functional teams to identify system inefficiencies and developed solutions employing best practices in software testing, delivering high-quality computational workflows.

Software Developer (Research Automation) | University of Central Florida, Prof. Boloni's Lab | Orlando, FL | 2023

- Engineered automated workflows to facilitate data collection and analysis for research, improving performance and replicability by ensuring alignment with optimal software testing frameworks.
- Designed interactive decision-making systems that harmonized machine learning outputs with study processes, enhancing data reliability and user experience.
- Maintained rigorous documentation throughout development using Confluence to ensure that methods remained accessible and informative for future research initiatives.

PROJECTS

AI Resume Optimization Platform

- Developed a SaaS platform that analyzes job postings and optimizes resumes using OpenAI API, achieving efficient keyword matching and relevance to user-specific job criteria.
- Implemented advanced PDF parsing and text extraction features, systematically organizing authentication data to promote effective content optimization.
- Created a user-friendly interface for real-time feedback on resume performance against applicant tracking system standards, enhancing the user experience of the platform.

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

AI Video Generation Platform for Social Media

- Engineered a SaaS solution converting textual content into engaging video formats, showcasing proficiency with AI content generation frameworks and multimedia user engagement.
- Integrated OpenAI API facilitating real-time content summarization, improving turnaround times for educational video production consumed through social media.
- Developed comprehensive pipeline frameworks using FFmpeg technology, ensuring optimized video delivery across various platforms.

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

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