

# 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

Results-driven Software Engineer with a strong foundation in building automation solutions on cloud infrastructure. Experienced in developing low-code applications, designing efficient pipelines, and creating AI-driven systems that enhance workflow reliability. Highly skilled in Python and dedicated to optimizing processes within open-source environments while collaborating with global teams to deliver effective technological solutions.

## TECHNICAL SKILLS

Python • Cloud-based Applications • Automation Pipelines • Linux Systems Administration • Containers (Docker, Kubernetes) • DevOps Automation • Open Source Software • YAML • Low-code Platforms • ETL Pipelines • Process Optimization • Collaboration • Innovation • Industry Alignment

## PROFESSIONAL EXPERIENCE

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

- Designed and implemented low-code automation tools that significantly enhanced logistics workflows, automating manual processes, and improving delivery efficiency.
- Developed AI-driven applications using Python and YAML, enabling the automation of complex data processing tasks related to shipping and logistics.
- Collaborated with logistics teams to streamline operations and built continuous integration pipelines that supported efficient inventory management and shipment tracking.

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

- Designed and implemented automated workflows to accelerate data collection for machine learning research, enhancing the reproducibility and efficiency of AI studies.
- Created user-friendly low-code tools to assist researchers in visualizing data outputs and managing datasets within collaborative environments.
- Integrated decision engines into research pipelines, utilizing machine learning for enhanced decision-making processes in content detection projects.

## PROJECTS

### AI Resume Optimization Platform

- Developed a fully automated SaaS platform utilizing OpenAI API that optimizes resumes via AI analysis, aligning candidate skills with job postings in real time.
- Implemented robust PDF parsing and data extraction capabilities to support structured analysis and enhance keyword optimization for job application success.
- Created a responsive web interface with continuous feedback mechanisms, promoting an iterative improvement process for users to enhance their ATS compatibility.

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

### Custom AI Chatbot Builder for Small Businesses

- Established a scalable SaaS solution allowing businesses to deploy custom chatbots, formed through advanced web scraping techniques and AI integration.
- Developed retrieval-augmented generation (RAG) algorithms to improve the chatbots' response accuracy and relevance based on contextual customer data.
- Implemented a user-friendly embed structure for seamless integration into client websites, catering to businesses without technical expertise.

Technologies: Python, OpenAI API, JavaScript, Web Scraping, Embeddings

## EDUCATION

**Bachelor's Degree in Computer Science with a Minor in Computational Mathematics and Health Sciences** | University of Central Florida | Graduated May 2024

Honors: Received Florida Academic Scholars Bright Futures Scholarship for maintaining a 4.0 GPA.