Justin Largo

Software Engineer • Raleigh, NC 27603
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Results-driven software engineer with 5 years of expertise in designing, testing, and developing scalable cloud-based applications and services. Proven ability to lead significant projects from inception, such as AskiCDNet and z/OS automation & testing tools, utilizing Python-based microservices and advanced generative AI solutions to enhance system reliability and user experience.

KEY SKILLS

IBM Cloud, z/OS, Linux, Watsonx, Langchain, RAG, DevOps, Docker, Git/GitHub, Kubernetes, Postgres, MongoDB, Milvus, REST APIs, Ansible, Python, Java, Node.js, Agile, React

WORK EXPERIENCE

IBM Durham, NC - *QA/Test Developer* 10/2024-Present
Developed automation of previously manual regression tests using Galasa, Ansible, and Jenkins, boosting tester productivity and lowering the cost of testing by 88%. Engineered a Django, HTMX, Tailwind dashboard to aggregate and visualize z/OSMF API data. Authored an inner-sourced Python wrapper for IBM's z Workload Scheduler. Promoted enterprise-wide AI adoption by creating use cases for Watsonx Code Assistant.

IBM Durham, NC - *Technical Architect* 12/2023-10/2024
Spearheaded development and integration of AskiCDNet for IBM Client Delivery Network (iCDNet). Implemented generative LLM-powered RAG Q&A feature with Langchain, Milvus, watsonx.data and watsonx.ai. Led migration from Java monolith to Python-based microservices, improving scalability and maintainability. Ensured compliance with IBM's security principles. Designed scalable IBM Cloud architectures for the implementation of digital workers across IBM Consulting. Mentored peers in development best practices.

IBM Raleigh, NC - *ML Engineer* 12/2022-12/2023
Designed and implemented CI/CD pipelines for AskiCDNet, a digital worker for iCDNet using watsonx Assistant. Developed and maintained a Java Spring Boot REST API middleware for advanced customer support tasks, including integration with watsonx Assistant and ServiceNow and other 3rd party APIs. Improved request latency by 40% through caching and optimized ServiceNow queries, resulting in enhanced performance and user experience.

EDUCATION

Siena College, Loudonville, NY - **B.S. Computer Science**
August 2017 - May 2021, GPA: 3.5/4.0