

Jacob Musone Full Stack Software Engineer

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Skills

Languages — Java, TypeScript, JavaScript, Python, HTML, CSS

Frameworks and Tools — Spring Boot, Spring WebFlux, Angular, Gradle, Git

Testing and QA — JUnit, Mockito, Cucumber, Karate

Databases — SQL, PostgreSQL, SQLite

Cloud and DevOps — Docker, Jenkins, Red Hat OpenShift

Professional Experience

Full Stack Software Engineer, *PNC Financial Services*

- Architected and spearheaded development for a unified theming system that impacted 250+ microapps and over 9M users.
- Developed and launched a new full stack microapp utilizing Spring Boot and Angular that serves 125K+ active PNC Private Bank users.
- Cut local build times by 80% for PNC's retail website by developing an automation script using Python and SQLite.
- Integrated automated testing into CI/CD pipeline by updating Kubernetes manifest, enabling more reliable deployments.

2023 – present
Pittsburgh, PA

Quality Assurance Lead

- Created and deployed functional test suite with 300+ tests using Cucumber and Java to ensure reliability and consistency for API that serves 7M+ users.
- Led and mentored a 3-person QA team in order to execute bi-weekly releases for 9 separate full stack microapps.
- Slashed regression time from 1 week to 30 minutes by automating manual tests using Cucumber and Python.

2021 – 2023

Education

Master of Science in Computer Science, *Georgia Institute of Technology*

Bachelor of Science, Computer Science, *University of Pittsburgh*

2025 – present
2017 – 2021

Certificates

Hugging Face AI Agents Course
Built and evaluated Agentic AI systems using Smolagents, LlamaIndex, and LangGraph for retrieval-augmented generation (RAG) systems.