Johnson K Paul

(412) 580 7801

johnskpaul@gmail.com

**EXECUTIVE EDUCATION:**

Programming with Python, Carnegie Mellon University

**EDUCATIONAL QUALIFICATION:**

Master of Arts (Economics)

Institution: IGNOU, New Delhi, India

Bachelor of Arts (Economics)

Institution: University of Calicut, India

**CERTIFICATIONS AND TRAININGS:**

Salesforce ADM 201 (Ranger)

TECHNICAL SKILLS:

*Programming Languages:*

Proficient in JAVA, Python, PHP, and SQL.

*Scripting Languages:*

Skilled in Linux and UNIX Shell Scripting.

*Cloud Computing:*

Competent in Salesforce and Wix.

*Testing Tools:*

Experienced in Selenium WebDriver, TestNG, Cucumber, REST Assured, Postman, and Swagger.

*Version Control:*

Familiar with DevOps, GitHub, and Subversion.

**LinkedIn:** <https://www.linkedin.com/in/johnskpaul/>

**Trailhead:** <https://trailhead.salesforce.com/en/me/johnskpaul>

Software Programmer

Summary

Experienced software professional with over 12 years of diverse expertise in quality assurance, automation development, and programming, with a strong command of Java and Python. Proficient in Agile project implementation, utilizing DevOps methodologies to streamline development processes. Adept at in-depth user story analysis, identifying gaps, and offering valuable insights for continuous improvement. A seasoned expert in crafting end-to-end user scenarios and test cases to ensure the highest quality software solutions.

ProfessionalExperience

**PHDL - University of Pittsburgh** (April 2022 – Present)

***Research Programmer***

Design, implement, and maintain Python scripts to analyze complex agent-based simulation results for public health research projects.

Develop software tools to ensure data quality and validate models effectively.

Create and maintain user-friendly websites using the Laravel Framework, facilitating the display of data from simulation runs and secure access to project data and reports.

Design and maintain Python scripts for generating reports submitted to the Center for Disease Control and Prevention (CDC) for seasonal flu/RSV/Covid19 forecast data.

Provide technical documentation, ongoing maintenance, and technical support for the FRED software.

**DVI Technologies – Pittsburgh** (March 2019 – April 2022)

***Software Development Engineer in Test***

Spearheaded the creation and implementation of comprehensive QA procedure documents. This encompassed time estimation, task tracking, bug handling processes, and templates for task creation to enhance team collaboration and streamline software product delivery.

Successfully developed and deployed automation scripts for UI, API, and database testing, meeting stringent coding standards. These scripts included robust error handling, organized element paths using page object models, page classes, page factory patterns, and SQL query classes for ScriptMed Cloud Clinical Module.

**DBMI - University of Pittsburgh** (June 2010 – July 2018)

***Software Quality Assurance Lead***

Formulated test plans, test scenarios, and test cases for various research projects, ensuring comprehensive test coverage.

Pioneered the creation and maintenance of multiple automated test suites for frontend and backend projects. These suites utilized a range of technologies, including Selenium RC, Selenium WebDriver, JUnit, TestNG, Cucumber, Postman, and Jenkins to guarantee the quality of the software.