**Zahir Rahman: Python AWS Developer**
therahmandevs@gmail.com | Phone: 917-325-1853

**Objective:** Seasoned Python AWS Developer with over 10 years of robust experience in Information Technology, specializing in automation testing, framework development, and design. Proficient in Java/Python programming and adept at utilizing various test automation tools within Agile environments. A collaborative team player with a strong work ethic, committed to continual learning and knowledge sharing.

## PROFESSIONAL EXPERIENCE

**Python Gemini AI Developer @ QA News Network (On-Site)** -  **March 2024** - **Present**
- AI Engineer (using Gemini API and Django framework)
- Developed and implemented AI systems utilizing the Gemini API within Django framework to generate news article suggestions and create new content.
- Leveraged Django's ORM for database management and integration with MySQL database to store prompts and responses.
- Implemented JWT authentication for secure user authentication and authorization within the Django application.
- Created RESTful APIs for seamless communication between different components of the system.
- Utilized Django templating engine to render dynamic content and generate social media posts based on generated content.
- Integrated GitHub for version control to manage codebase efficiently.
- Implemented GitHub Actions for Continuous Integration and Continuous Deployment (CI/CD) pipelines to automate testing, including smoke/sanity checks, to ensure the system's functionality.
- Utilized Gemini API to fetch keywords based on the articles users found intriguing, enabling AI-powered recommendation systems within Django.
- Leveraged the generated keywords to search Amazon for relevant items to promote, enhancing user engagement and revenue generation.
- Achieved significant growth in user base through the use of AI-powered features integrated with Django framework.

**Python AWS Developer / Automation Engineer @ LNT Mindtree, New York, NY (Remote) (Client: ViacomCBS/Paramount) Nov 2020 - March 2024**

- Managed codebase and version control using **GitHub**, ensuring efficient collaboration and tracking changes across the development lifecycle.
- Leveraged **Datadog** to monitor and analyze media processing metrics, ensuring optimal performance and identifying potential bottlenecks.
- Utilized **Confluence** for comprehensive documentation, including test strategy, test cases, and test plans, facilitating clear communication and knowledge sharing.
- Integrated BlazeMeter for CI/CD testing efforts, enabling seamless testing across various configurations and environments.
- Demonstrated proficiency in **Amazon AWS** services such as **S3**, **DynamoDB**, **Lambda**, and **CloudWatch**, ensuring robust infrastructure and efficient **deployment**.

- Used **SQL** to query tables in the **database** both manually and using automation.
- Automated AWS services using Python and Pytest with the Boto3 library, streamlining testing processes and improving efficiency.
- Utilized **GitHub Enterprise** for repository storage and integration with Jenkins/**Github Actions** for automated pull request submissions, ensuring code quality and reliability.
- Developed **RESTful APIs** using **Django**, leveraging **Django** REST Framework for rapid API development and deployment.
- Facilitated **QA** meetings to oversee processes, alleviate blockages, and synchronize project scope across teams.
- Created SQS Queues for workflow processes and ran **automation** against incoming SQS messages to ensure internal/external and workflow processes were initiated and running as expected.
- Actively participated in engineering meetings to understand development processes, requirements, and changes comprehensively.
- Developed proof of concepts (POCs) for new requirements, aiding in decision-making for the adoption of optimal development approaches.
- Employed JIRA for user stories tracking, ensuring efficient issue management and resolution across projects.
- Implemented Postman API collections for easy reference for all developers and easy updates for changes
- Conducted API testing using SwaggerHub, providing feedback on API structure and ensuring API reliability and functionality.
- Verified AWS authentication and other applications using OKTA, ensuring secure access and authentication processes.
- Developed reporting systems for testing using proprietary cloud reporting services, enabling comprehensive analysis and insights.
- Established a system for live updates of test results through email and Slack channel notifications, facilitating real-time communication and issue resolution.

Environments: **Mac/Windows/Linux, PyCharm/VScode, Slack, Bitbucket, Jenkins, Serverless, Python, Pytest, Boto3, Jira, Confluence, S3, DynamoDB, Lambda, SQS, IAM, Cloudwatch, Cloudformation, API Gateway, Step Functions, Serverless**

**Remote Skills:** Work time balance, Zoom, Teams, Slack, Microsoft suite, AWS WorkForce, Time management, Collaboration, Digital communication, Strong work ethic, Adaptability, Organization, Self-starter, Proactive, Flexibility,Tech-savvy,Independent problem solver, Reliable

**Selenium Automation Analyst/ Java Developer (Contracted By Spruce Tech NJ)**

NYC.GOV

LIC, NY Sept 2019 – Oct 2020

DDC (Department of Design and construction) is NYC's City's primary capital construction project management entity. Lead Automation engineer to create a full-fledge framework and test suite for the full automation needs of the current Payment system project. Worked with a team to test internal applications, such as account

updates, payment system redesign, and payment management including calculations validations.

- Developed framework using Appium and Java, integrated with **Maven/Gradle**, for automating mobile devices on both **Android** and **iOS** platforms
- Implemented **Charles Proxy** to monitor network traffic for mobile devices, ensuring robust testing and debugging capabilities
- Proficient in deploying specific versions to devices for targeted testing purposes
- Leveraged Sauce Labs for additional device testing, ensuring comprehensive coverage and quality assurance
- Proficient in POM (Page Object Model) framework using **Java** and **Selenium** WebDriver, enhancing test maintenance and readability
- Conducted load/performance tests on production servers using **JMeter** to ensure system scalability and reliability
- Utilized **Maven** and **Selenium Grid** for executing automation suites across various platforms concurrently, optimizing test efficiency
- Adapted to dynamic Agile environments, ensuring seamless integration of testing processes
- Developed test scenarios using Cucumber feature files and executed Java glue code step definitions with regex
- Applied **Gherkin** annotations for streamlined test scenario descriptions
- Employed **TestNG** for comprehensive test execution reporting, facilitating actionable insights
- Managed source control with **GitHub**, ensuring version control and collaboration efficiency
- Maintained and updated the framework to accommodate evolving test scenarios and requirements
- Collaborated with manual testing teams to strategize test automation efforts effectively
- Identified QA process weaknesses and implemented **Selenium** Automation to drive improvements
- Used **SQL** to run queries to make/check updates to data both manually and automated using **JDBC**
- Managed Defect Tracking & Management in **JIRA**, generating automated daily reports via **Azure DevOps**
- Conducted database testing through **SQL** queries and API testing using **Rest Assured**
- Actively participated in sprint and **scrum** meetings, fostering collaboration among project stakeholders for seamless project delivery

*Environments: Selenium, Maven, GitHub, Jenkins, JAVA, SQL Server, HTML, XML, CSS, Windows, Mac OS, iOS Tools: IntelliJ, Azure DevOps, Selenium, TestNG, SQL Server Management Studio 2008, Jmeter, Rest Assured*

**Selenium Automation Engineer  (Contract by TechnoSoft Consulting NY)**

Duane Read (Formerly Walgreens)

New York, NY June 2016 – Sept 2019

Nationwide pharmacy and consumer goods chain. Worked with an automation team to test public facing applications  such as account maintenance, payment system redesign and order management including rewards program, Plenti  and wellness+ Feature testing.

o Experienced with **POM** (Page Object Model framework) using **JAVA** and **Selenium** Web Driver library.

o Extensive experience with Eclipse and IntelliJ IDE

o **AWS** Cloud utilized services such as **Lamba**, **DynamoDB** and **SQS** services to check for workflow progression

o Used **Maven**, Selenium Grid to execute **Selenium** automation suites on different platform; performed browser combinations in parallel

o Experienced in dynamic AGILE environment

o Used **Sauce labs** to execute **Selenium** automation suites on different platform and performed browser Combinations in parallel

o Wrote test scenarios on **Cucumber** feature file

o Executed Java glue code step definitions for test scenario using **regex**

o Applied **gherkins** annotations

o Ensure comprehensive test coverage by leveraging **SOAP UI'**s features to conduct thorough testing of web services, APIs, and other integrations, validating functionality, performance, and security aspects to guarantee robust and reliable software systems.

o Applied **TestNG** to view detailed test execution **reports**

o Extensive experience in source control with GitHub

o Automated iOS and Android app using Appium Java-Client library

o Always kept the framework up to date to accommodate all test scenarios

o Worked closely with manual testing team to discuss which test cases should or should not be automated

o Identified weaknesses in QA Processes, Web testing and executed Selenium Automation to suggest and implement improvements

o Performed Defect Tracking & Management in JIRA and generated automated daily reports using JIRA API

o Performed database testing by writing SQL

o Participated in sprint and scrum meetings and walk through with project managers, developers, and QA testers

*Environments:* *Selenium, Maven, GitHub, Jenkins, JAVA, SQL Server, HTML, XML, CSS,* *AWS* *Windows, Mac OS, iOS* *Tools:* *Eclipse, IntelliJ, Jira, Selenium, TestNG, SQL Server Management Studio 2008*

**QA Automation Engineer and Quality Assurance Analyst (Contract by TechnoSoft Consulting NY)**

Walmart

Pennsylvania December 2014 May 2016

Worked as Quality Assurance Analyst to test consumer used applications. Built, tested, and automated various features like accelerated product search options, payment system redesigning and order management system for the customers worldwide.

- **o** Developed, documented and maintained test artifacts like test data, data validation and automated test scripts using Selenium WebDriver using JAVA as primary language
- **o** Responsible for automating Walmart Internal Web Application
- **o** Assisted in developing and maintaining robust and effective Page Object Model Framework **o** Used Firebug and Firepath to identify and locate elements as needed, along with creating custom xpath using xml functions
- **o** Implemented Maven for build management and implemented CI tool Jenkins
- **o** Applied TestNG and Allure to view detailed test execution reports
- **o** Experience in source control with GitHub
- **o** Implemented Selenium Grid for parallel testing on multi browser and OS combination **o** Executed full test on every regression build and provided detailed report to the upper management **o** Modified test scripts to handle all checked and unchecked exceptions which helped running test smoothly **o** Used Maven as primary build management tools
- **o** Ensure successful delivery of final content by the testing deadline including test sign off reports, any outstanding defects and how they would be handled, and hand off to UAT
- **o** Automated iOS and Android application using Appium

*Environments: Selenium, Maven, GitHub, Jenkins, JAVA, SQL Server, HTML, XML, CSS, Windows, Mac OS, iOS* **Tools:** *Eclipse, IntelliJ, Jira, Selenium, TestNG, SQL Server Management Studio 2008*

# Zahir R Rahman

- North New Hyde Park, NY, US

## Contact Information

- stb-ggp-wxr@mail.dice.com

- 6782430012

## Work History

**Total Work Experience: 10 years**

- **Python AI Developer QA News Network**
  Mar 01, 2024

- **AWS Developer LTI Mindtree**
  Nov 01, 2020

- **Java Developer In Test Spruce Tech**
  Sep 01, 2019

- **Automation Engineer Techn Soft Consulting**
  Dec 01, 2014

## Education

- **High School** | Bronx HS of Science

- **Bachelors** | Adelphi Univerisity

## Skills

- **agile** - 10 years

- **qa** - 10 years
- **automation** - 9 years
- **engineering** - 9 years
- **github** - 9 years
- **revision control** - 9 years
- **software** - 9 years
- **amazon web services** - 8 years
- **api** - 8 years
- **framework** - 8 years
- **integration** - 8 years
- **jenkins** - 8 years
- **reporting** - 8 years
- **amazon dynamodb** - 7 years
- **amazon sqs** - 7 years
- **cloud** - 7 years
- **jira** - 7 years
- **microsoft windows** - 7 years
- **python** - 7 years
- **sql** - 7 years
- **test cases** - 7 years
- **workflow** - 7 years
- **amazon lambda** - 5 years
- **django** - 4 years
- **gemini** - 1 years

# Work Preferences

- Desired Work Settings: Remote or On-Site or Hybrid
- Likely to Switch: True
- Willing to Relocate: False
- Work Authorization:
  - US
- Work Documents:
  - US Citizen
- Desired Hourly Rate: 95+ (USD)
- Desired Salary: 200,000+ (USD)
- Security Clearance: True
- Third Party: False
- Employment Type:
  - Full-time

# Profile Sources

- Dice: https://www.dice.com/employer/talent/profile/516b2b123f2343ee75df7d618d148f28