**Biruk Abate**

Jackson, MS ♦ (601) 622 4139 ♦ [Biruk.d.abate@gmail.com](mailto:Biruk.d.abate@gmail.com)

**Education**

Master of Science: Computer Science, Expected in May 2023

Jackson State University - Jackson, MS **|** GPA - 3.7

**Relevant coursework**: Operating Systems, Computer Architecture, Data Structure and Algorithms, Programming Systems (Compiler Design), Computer Forensics, Object Oriented Programming, and Software Engineering.

Bachelor of Science: Computer Engineering, 2020

Jackson State University - Jackson, MS

**Soft Skills**

Agile Methodology, Business Intelligence, Operational Efficiency, Troubleshooting and Testing, Systems Analysis

**Technical Skills**

**Java, Python, JavaScript, Angular, Spring Boot, Oracle JET, ASP.NET,**

**Programming languages:** Java, Python, JavaScript **Automation:** Selenium, Jenkins, Terraform

**Frameworks**: Angular, Spring Boot, Oracle JET, ASP.NET **Agile:** Jira, Rally

**Unit Testing**: Mocha, Sinon, Karma, Jasmine, JUnit, Mockito **Cloud**: Azure (AZ-900 certified), AWS, Oracle

**Work History**

Software Engineering Intern, Summer 2022

Oracle – Columbia, MD

* Created a web-based auto-generated User Interface for the Enterprise Management Console application.
* Completed **5** user stories that were presented at the end of the sprint demo.
* Deployed **10+** micro-frontend reusable modules to Oracle Cloud and wrote automated tests using Selenium
* Prepared and submitted reports and other documentation to assist development team members.
* **Utilized**: Oracle JET, Knockout.JS, SQL, Docker, Git, Karma, Sinon, Mocha, Selenium

Graduate Teaching Assistant, Fall 2021 – Spring 2022

Jackson State University – Jackson, MS

* Taught ECEL Digital Logic Laboratory to 80+ students in the College of Engineering, Science, and Technology.
* Checked assignments, proctored tests, and worked with professors to provide grades according to university standards.
* **Utilized**: Autodesk Eagle, Excel

Associate Software Engineer, July 2020 – June 2021

American Airlines – Fort Worth, TX

* Created a web app for the data privacy team that allowed customers to easily access their private flight data
* Deployed 5+ backend services to IBM Cloud using Cloud Foundry and presented over 25 product features to senior leaders.
* Designed and maintained streamlined, reusable, and reliable code for use within distributed cloud environments.
* **Utilized**: Angular, Spring Boot, Terraform, Azure, Jenkins, JUnit, Selenium, Sonar Cube, SQL, Jasmine

Software Engineering Intern, Summer 2019

FedEx Services – Memphis, TN

* Developed a web app using ASP.NET for the sales department allowing easy access to data from multiple FedEx OpCos.
* Collaborated on **two** projects with other team members from product concepts through launch and multiple iterations.
* **Utilized**: ASP.NET, VB.NET, Azure, jQuery

Research Assistant, Summer 2018

Human Robot Interaction, Indiana University – Bloomington, IN

* Created a scraping tool using Python to extract comments from crowdfunding websites.
* Collected 5000+ comments for data analysis, reviewed code for accuracy and ran tests for quality assurance
* **Utilized**: Python, Beautiful Soup, NLTK

**Leadership Experience**

**Student President, National Society of Leadership and Success | Fall 2019 – Spring 2020**

* Recruited 250+ student members and organized leadership training events with the guidance of the National office

**Team Lead, NASA Swarmathon Robotics | Fall 2018 – Spring 2019**

* Coordinated a student research team that earned the 3rd place in a robotics competition hosted by NASA and UNM

**Program Manager, Google Ignite CS | Fall 2016 – Spring 2017**

* Conducted a community outreach project funded by Google to teach programming to local high school in Mississippi

**Fellowships & Honors**

HBCU Venture Capital Fellow **|** Product Marketing Fellow, Margaret Ellen Pleasant Entrepreneurship Fellowship **|** NASA Swarmathon (3rd place) **|** Full tuition scholarship award recipient, Jackson State University | Dean’s List (2017-2019)