Andrea Wolfgang Diano-Bavaro

andread-b@hotmail.com | **Self-Built Website** | GitHub | LinkedIn

Citizenship: (EU) Italian

PROFESSIONAL SUMMARY

I discovered my passion for programming at the age of 15, learning Python. Now 23, I have a strong foundation in both Java and Python that I developed throughout my studies. I have a diverse professional exposure as both a data scientist as a full-stack web developer. As a CSM I am comfortable working in a fast-paced agile enviornment. I have almost 2 years of experience developing microservices and managing the software development lifecycle. My technical passion lies in automating and streamlining processes while working alongside a strong team. I'm at my best when I'm collaborating with a team—communicating clearly, developing efficient solutions, and crafting meaningful experiences for end users.

EXPERIENCE

Full Stack Software Developer   May 2023 - Present*

Citi   *Toronto, CA*

- Implemented test-driven development for microservices—writing JUnit test cases to achieve 80% code coverage in SonarQube—and developed and tested APIs using Java Spring Boot, Postman, and GraphQL.
- Contributed to entire software development life cycle. Used Java, Javascript, and Angular.JS for development and Docker, Harness, and Redhat for deployment.
- Migrated 20+ microservices from Swagger 2 to OpenAPI 3, integrated Swagger UI for enhanced documentation, and configured and tested gateway and commons repositories to ensure reliable and maintainable services.

Junior Software Developer   Sep. 2022 - June 2024

Western Algorithmic Trading Club - Alternative Data Team   *London, CA*

- Implemented an ingestion engine using Python Selenium to gather financial updates from Twitter in real time.
- Developed a Sentiment Analysis engine determining stock viability scores with historical data inputs.
- Visualized sentiment data using Matplotlib to analyze trends across financial sectors.

Financial and Software Analyst Intern   May 2022 - Aug. 2022

YDM Incorporated   *Toronto, CA*

- Analyzed financial data using Python pandas to compute overhead costs, net profit, and profitability predictions.
- Implemented time series analysis to identify cost-saving strategies and growth opportunities.
- Reduced overhead costs by 10% and increased product net profit by 7%.

PROJECTS

OpenAPI Migration Automation Tool | *Python, Regular Expressions, Java Spring Boot*

- Developed an internal Python tool for Citi to automate the migration of Java Spring Boot projects from Swagger 2 to OpenAPI 3.0
- Built recursive file processing functionality to batch-convert entire projects, with an optional substring-based directory filter, streamlining large-scale microservices migration efforts.

Personal Investment Platform - Demo | *React, Java Spring Boot, MySQL, Docker, Google Cloud*

- Developed a financial portfolio manager web application using React for the front end, Java Spring Boot for the back end, and MySQL for data storage.
- Created and integrated REST APIs to deliver real-time stock information and deployed the application on Google Cloud using Docker, enabling users to manage their portfolios with up-to-date market data and analytics.

E-Commerce Inventory Tracker | *Python, Selenium, Requests, Discord*

- Utilized Selenium to scrape HTML elements and monitor product availability in real time.
- Integrated Discord notifications for immediate stock update alerts.

EDUCATION

University of Western Ontario   London, CA | Aarhus, DE

Bachelor of Science in Computer Science   *Sep. 2021 - June 2024*

St. Michael's College School   Toronto, CA

Ontario Secondary School Diploma —Basilian Book Award Winner (90% + average)   *2015 - 2019*