Anees Aissaoui

✉ aissaoui.anees@gmail.com · 🔗 in/anees-aissaoui · 🐙 aaiss1 · 🌐 anees.fyi

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, Kotlin, HTML/CSS, Bash, MATLAB, TCL, LaTeX
- **Frameworks & More:** UNIX, Git, SVN, AWS, GCP, Airflow, PostgreSQL, SQLite, MongoDB, Flask, Docker, Gradle, React, Jooq, Jackson, Spring, SQLAlchemy, pytest, Selenium, Node.js, cURL, OpenCV

RELEVANT EXPERIENCE

GTS   **New York, NY**
Incoming Software Engineering Intern | Trading Analytics   Sept 2023 - Dec 2023

Palantir Technologies   **Palo Alto, CA**
Software Engineering Intern | Deployability   Jan 2023 - Apr 2023

- Increased speed of Gotham Job API by 10x by identifying and optimizing performance bottlenecks
- Developed a feature allowing job configuration overrides to standardize and customize Gotham job runs using Java and Jackson, saving customers 35% of their time for job setup
- Replaced the backend of a job monitor app using Java, Jooq, and PostgreSQL, resulting in 4x speedup

DRW Trading Group   **Montreal, QC**
Software Engineering Intern | Web Insights   May 2022 - Aug 2022

- Designed and built the RESTful backend of a Python app with Flask, PostgreSQL, SQLAlchemy, and Docker to analyze trade event data, saving traders and data analysts 18% of their planning time
- Decreased network-related failure rate of a core internal system by 20%, improving reliability of the low-latency trading pipeline
- Enabled 120+ traders to react to sudden market changes 10+ minutes faster by writing a bot that pulls and posts essential data from an internal trading desk

NFTY Labs   **San Francisco, CA**
Software Engineering Intern | Core Engineering   Oct 2021 - Dec 2021

- Led development of a serverless app to auto-complete cryptocurrency invoices using Python, Freshbooks API, AWS Lambda, and CloudWatch, reducing accounting workload by over 80%

Dell Technologies   **Ottawa, ON**
Software Engineering Intern | 5G R&D   Sept 2021 - Dec 2021

- Accelerated product deployment by 5 days by implementing secure versions of banned C functions, eliminating 2000+ security vulnerabilities in the codebase
- Implemented load-balancing to distribute network traffic on 5G cells, increasing scalability and device connection rate by 15%

Solace   **Ottawa, ON**
Software Engineering Intern | Infrastructure   Jan 2021 - Apr 2021

- Reduced runtime of health-checks by over 3x using parallelization to let scripts run concurrently in forks, resulting in much faster deployment and improvements to the developer workflow
- Automated Python tools that identify errors in tests, detecting 25% more bugs

Nokia   **Ottawa, ON**
Software Test Engineering Intern | Internet and Optical Networks   May 2020 - Aug 2020

- Designed and wrote a custom web traversal algorithm in Node.js to replace an outdated automation testing API, automating testing for the last 30% of a customer-facing web app
- Increased test coverage by 5x by automating GUI using Node.js, Selenium, and the webdriverio API

PROJECTS

Buy It! *Python, Java, Android, MQTT, ParseHub API, Solace PubSub+*   🐙 Buy It!

- Developed a push-based price comparison app that collects live pricing data via web scraping

EDUCATION

University of Waterloo *GPA 3.9/4.0 | 4x Term Dean's Honours List*   **Waterloo, ON**
Candidate for Bachelor of Applied Science in Honours Computer Engineering, Co-op   Sept 2019 - Present