Vaansh Lakhwara

Email   vaanshlakhwara@gmail.com   Montreal, QC   **Mobile** (438) 927-7511
LinkedIn linkedin.com/in/vaansh   **GitHub** github.com/vaansh

SKILLS

Programming	Python, Java, C#, Go, HTML, CSS, Markdown **Familiar** Bash, JavaScript/Typescript, C++
Other	Agile, Git, Unix, CI/CD, Apache Spark, Docker, Selenium, AWS, Azure, LATEX, .NET 6, Swagger

EDUCATION

Concordia University – Montreal, QC   Sep 2019 – Aug 2023
Bachelor of Science, Computer Science (Co-op Mentor)
Courses: Data Structures & Algorithms, Big Data Analytics, Web Development, Object Oriented, Databases and AI/ML.re

EXPERIENCE

Morgan Stanley – Montreal, QC   Jan 2023 – Apr 2023
Software Developer (Institutional Securities Technology Division)
   Tech Stack Java, Spring Boot, Cucumber, Angular TS, Sybase SQL, IBM DB2, Git, Jira, C4, Internal Tools
   - Responsible for contributing features to a **reconciliation engine** as a part of the **collateral management** squad in the **secured financing technology** using **Java and Spring Boot** to categorize data breaks between systems.
   - Participating in a global **Securities Finance Technology** unit following **Agile practices**, analyzing business needs, designing and testing the solutions required using **JUnit**, **Mockito** and **Cucumber**.
   - Created **Structurizr** supported **C4 diagrams** for dispute management flows and onboarded it to the team**.**

dcbel Inc. – Montreal, QC   May 2022 – Aug 2022
Full Stack Developer Intern (Chorus – IoT Cloud Platform)
   Tech Stack C#, .Net Framework, Web API, Git, Azure DevOps, CI/CD pipelines, Microsoft ServiceFabric
   - Worked closely in an **agile driven team** to deliver **user stories** for a distributed energy resources management system as a cloud solution (**IaaS**) powering a home energy station supporting **bidirectional DC EV charging**.
   - Developed **API and communication protocols** between connected devices and the Chorus **IoT Cloud** platform consuming static data from **Azure Table Storage** with unit and system tests written using **Moq and xUnit**.
   - Actively participated in DevOps improvement initiatives and the evolution of Agile practices – daily **scrum**, weekly **grooming**, biweekly **retrospective** and **sprint review** meetings as well as peer design and code reviews.

Genetec Inc. – Montreal, QC   Sep 2021 – Dec 2021
Software Developer Intern (ClearID – Identity & Access Management Solution)
   Tech Stack React TS Web, C#, Node, REST APIs, TypeScript, MongoDB, Azure Microservices
   - Developed, tested and integrated **react based, mobile ready UI features** to enable customers worldwide perform various physical identity and access management system (**SaaS**) operations seamlessly.
   - Implemented a **cache model** in a service with **Azure Table Storage** to provide shared data to multiple instances.
   - Built, tested and integrated over **.NET based service APIs** using FakeItEasy and FluentAssertions libraries.
   - Occasionally cultivated **process improvements as a kanban board mediator** in Azure DevOps Kanban to increase developer productivity, improve clarity, speed of communication and resolving dependencies ahead of time.

PROJECTS

Stock Forecasting (Machine Learning with *Python, PyTorch, Yahoo Finance, Academic*)
Implemented a stock forecasting model with **Convolution Neural Networks (CNNs)** using a dataset of S&P 500 stocks.

.NET 5 REST API Catalog (API Development with *.NET 5, Postman, MVC, MongoDB, RESTful APIs, Docker*)
Built a MongoDB (NoSQL) repository, **tested CRUD endpoints** with Postman **and published the docker image**.

Reddit to Instagram (Automation with *Reddit API, Pillow, Web Selenium AppleScript, Pyautogui, AWS*)
Automated workflows for social media, run on **EC2 instances** to maintain pages with **45k followers** on Instagram.