Ishraq Shabab

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EDUCATION

University of Québec - École de Technologie Supérieure   Montréal, Qc
BEng in Software Engineering   *Sep. 2018 – April 2024*

EXPERIENCE

Co-founder - Lead Engineer   Jan 2025 – Present
Automia   *Montreal, QC*
- Built an AI agent speech-to-text clinical note taking web application by leveraging openAI, FastAPI and NextJS

Mobile Developer   May 2024 – Dec 2024
Mentallys   *Montreal, QC*
- Developed 10 views and 10 viewModels using Kotlin's Jetpack compose, increasing modularity and UI consistency
- Developed 5 fragments and directions in the navigation file by using MVVM improving data flow
- Established robust API integrations, successfully making 3 API calls with Swagger API provider, leveraging DAO and repository patterns for efficient data management

Full stack Developer   Jan 2024 – May 2024
Thirdbridge   *Montreal, QC*
- Boosted new user visits by 35% by ensuring SEO indexation through static page creation at build time, leveraging Gatsby's plugin and GraphQL queries in Typescript for all 15 website pages
- Enhanced page metadata by adding 5 new fields using Gatsby Head API, improving search engine optimization and user experience
- Increased user visit counts by 25% by leveraging Gatsby Script and HubSpot API to collect data on user behavior

Software Developer Engineer   May 2022 – Aug 2022
Amazon (AWS)   *Vancouver, B.C.*
- Built a CLI tool in Python that validates 100% of schema and value errors in personalized job template files (YAML/JSON) and developed the front-end using Typescript
- Implemented 2 commands (run & execute) with user parameters as inputs, using TDD in Pytest, and unit-tested 8 functions with internal tools like Brazil and Peru
- Configured deployment files with AWS CodePipeline for rendering service integration

Mobile Developer   Jan 2022 – Apr 2022
Desjardins Group   *Montreal, QC*
- Enhanced user's interface clarity on the main page by refactoring the visuals of 7 different messages in different Swift components
- Upgraded the UI of the account's page by adding 5 new visual components by leveraging Swift UI library

Cybersecurity Developer   May 2021 – Dec 2021
Desjardins Group   *Montreal, QC*
- Automated 2 commands by fabricating 2 CI/CD pipelines in Python yaml in the Fly Concourse environment
- Validated the pipelines by debugging and using fly concourse commands in PowerShell

Software Engineer in Test   May 2019 – Dec 2019
Genetec   *Montreal, QC*
- Automated repetitive purchase order tasks by creating 15 automated tests in X++ using Microsoft Visual Studio
- Validated the tests with Microsoft Dynamics 365 and by executing SQL queries on Microsoft SQL

AWARDS

DevCon Winner - Palantir Foundry - Safe Bike Paths | *AIP, Ontology*   Oct 2024
- Geomap application that leverages LLM in order to find safe bike paths amongst 25,000 routes by considering 13,000 intoxicated road accidents while using Pipeline Builder and AIP function logic

TECHNICAL SKILLS

Languages: Python, Typescript, Java, GraphQL, PostgreSQL, Swift, Kotlin, C++.
Frameworks & Lib: Langchain, Foundry AIP, Tensorflow, Numpy, Next.JS, Redux Gatsby, Tailwind, Material-UI.
Developer Tools: AWS, Jupyter, Docker, Git, KaliLinux, Node.js.