Abdulrahim Mansour

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Work Experience

CGI - Bell | **Montreal, Canada**
Cloud Data Engineer | 01/2022 - Present

- Designed and implemented BigData ETL pipelines, designed to populate a Graph database and is exposed through a RestAPI for business teams to consume across 3 environments:
  - Extracted data into Hadoop using Spring boot microservices, Sqoop and shell scripting using on-prem Gitlab runners servers
  - Transformed data using Trino (Presto) and Hive/Impala, leveraging Oozie jobs and coordinators
  - Loaded data using Scala and Spark into Cassandra keyspace to be fed into JanusGraph db
- Managed Openshift cluster to deploy RestAPIs across dev/qa/prod environments
- Developed Gremlin queries to add more functionality to customer facing RestAPI endpoints
- Assisted in design of ETL pipeline migration to GCP (Google Cloud Platform)

Technologies used — Spring Boot, Hadoop, Trino, Sqoop, Hive/Impala, Linux shell scripting, Oozie, Scala, Spark, Cassandra, Janusgraph, Openshift, Gremlin, GCP

Coveo | **Montreal, Canada**
Consultant, Solution Specialist | 09/2020 - 12/2021

- Developed enterprise search pages using the *Coveo Javascript Search Framework (JSUI)* in order to accomplish customer requirements based on designed architecture
- Developed enterprise search pages using the *Coveo Headless Framework*, coupled with LWC for salesforce pages and ReactJS for single page applications
- Developed salesforce search pages by using Coveo for Salesforce into agent service consoles and salesforce communities
- Developed *Typescript Turbo components* to enable behaviour beyond the Coveo JSUI
- Coveo Platform configuration tailored for each customer: configured data sources to be crawled and indexed, created python scripts to normalize the crawled data, created query pipelines to personalise each search experience, configured machine learning models, configured usage analytics
- Worked in a strong matrix organization, following an agile methodology and using Azure DevOps to manage daily tasks across projects
- Lead and implemented the redesign of an Azure DevOps extension which enables Solution Specialists to fill-in their daily scrum entries
- Coached 3 new interns to enable them on the scrum extension and the Coveo Platform configuration

Technologies used — Javascript, Typescript, VueJs, HTML, SCSS, Python, Salesforce (Visualforce, Apex, Lightning Web Components), Coveo Platform, Coveo JSUI, Coveo Headless, ReactJS, Redux, Docusaurus, Confluence, Azure DevOps

CAE Inc. | **Montreal, Canada**
Full-Stack Software Developer | 05/2019 - 03/2020

- Created robust RPA scripts, which autonomously execute step by step commands to accomplish business objectives on ERP system
- Created a *JavaFX desktop application* that enabled more than 20 employees to execute the process

of completing work-orders autonomously

- Created an *Angular/Java distributed system* composed of an orchestrator, a series of workstations (sends requests) and designated computers (consumes requests and executes scripts)
- Developed *Python scheduled scripts* to run daily on designated computers which updated important databases, reports, excel files and other business resources used by the entire manufacturing department

Technologies used   JavaFX, JDBC, JUnit, Maven, sikulix api, Selenium, Angular 6, Javascript, HTML/CSS, MSSQL, MySQL, SQLite, Python, Flask, git, Azure DevOps, VBA

Bombardier   Mirabel, Canada
Data Analyst   09/2017 – 01/2018

- Automated business processes using VBA modules to reduce daily tasks into a simple click of a button

Education

Concordia University   Montreal, Canada
Bachelor of Computer Engineering   2016 – 2021

Projects & Learning

- Angular/Spring Boot deployed on Digital Ocean: moneytree
- Quasar(Vue++)/Spring Boot deployed on AWS: sizzle
- MERN stack: server client
- Android Application: repair shop central hub
- Python Amazon Seller: amazon-mws

- Udemy: Spring & Hibernate for Beginners
- Udemy: Node with React: Fullstack Web Development
- Udemy: Modern React with Redux
- Udemy: Modern Web Scraping with Python using Scrapy Splash Selenium

Software Skills

- **Languages:** Javascript, Typescript, Java, Python, yaml, C/C++, PHP, VBA
- **Frontend:** ReactJS, VueJs, Angular6, LWC, JavaFX, Redux, VueEx, Vee-Validate, VueRouter, Metronic
- **Backend:** Spring Boot, Node + Express, Django, Flask, Laravel
- **Mobile:** Android Studio, React Native
- **Data Engineering:** Hadoop, Trino, Hive, Impala, Oozie, Scala, Spark
- **CI-CD/Cloud Services:** Docker, Kubernetes, GCP (Google Cloud Platform), GKE (Google Kubernetes Engine), Google Cloud SQL, GCR (Google Container Registry), AWS Elastic Beanstalk, AWS S3, Digital Ocean, Heroku, Github Actions, Gitlab, Openshift
- **Version Control:** git (Github, Bitbucket, Azure DevOps, Jira)
- **Package Manager:** npm, yarn, maven, gradle
- **Other:** HTML, CSS, SCSS, Selenium, MongoDB, MySQL, SQLite, Cassandra, Janusgraph, Gremlin, JDBC, UiPath, Scrapy, sikulix, Docusaurus, Confluence, Coveo