

Homayoun H.B. Banazadeh

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SUMMARY

Data Developer with +3 years of experience, MS Azure Data Engineer certified, specialized in big data pipelines, environments, and data warehouses. Proven track record of delivering impactful data products. Adept at deploying, maintaining, and troubleshooting information systems for valuable insights through technical reporting.

PROFESSIONAL EXPERIENCE

Azure Data Engineer

Oct 2022 - Present

Dana Insurance

Remote, Iran

- Enhanced big data management, analytics, and data warehousing using Azure Synapse and Azure Data Factory, ensuring 24/7 access to claims and risk policies through optimized data processing pipelines and analytics workflows.
- Engineered scalable data storage solutions with Azure Data Lake Storage Gen2 and Synapse Analytics, implementing data compression along with tiered storage, reducing infrastructure costs by 39%.
- Secured platform Azure Key Vault for secure key management and Azure Active Directory for robust authentication, ensuring data protection and compliance.

Software Analyst

Sep. 2021 - Apr. 2022

Western Stevedoring

North Vancouver, BC

- Developed a Python-based automated data pipeline tailored to handle monthly financial Excel files, which were often irregularly formatted and required thorough scripting due to loose filling guidelines.
- Applied 50+ QA tests in Python that increased the system's code coverage by 34% and helped validate the data.
- Built data models utilizing Power BI query editor and DAX to create KPI dashboards used by over 10 people.
- Led staff training sessions and authored documentation covering maintenance, risks, and challenges.
- Conducted software research and gathered stakeholder requirements over interviews, which led to producing a report that directed the company's decision to invest \$9,000 annually.

Data Engineer

Sep. 2020 - May 2021

Insurance Corporation of British Columbia(ICBC)

North Vancouver, BC

- Migrated legacy warehouse pipelines in IBM Data Stage to a modern Hadoop implementation using Spark and Scala for a 60% improvement in the speed of data memory access.
- Implemented CI/CD pipelines using Jenkins to automate deployment and testing of data processing workflows, resulting in improved task scheduling, monitoring, and optimized controllable cost hierarchies.
- Authored 7 mapping documents enabling the team to grasp transformations without delving into complex SQL logic.

EDUCATION

Bachelor of Science in Data Science, Minor in Computing Science

Sep. 2018 - Aug. 2022

Simon Fraser University

Burnaby, BC

- Dean's Honor List, SAP Invitational 2022 Hackathon Ranked 5/35, CELPIP English Exam Overall 10/12.

Azure Data Engineering Certification

Oct. 2023 Dec. 2023

Microsoft - Result: 88/100

Vancouver, BC

- Data Storage (40%), Data Processing (30%), Data Security (15%), Monitoring and Optimization (15%).

TECHNICAL SKILLS

Databases & Azure Ecosystem: SQL Server, PostgreSQL, Synapse Analytics, Data Factory, Event Hubs, Stream Analytics, Key Vault, Active Directory, Databricks. Azure Functions

Hadoop Ecosystem: HDFS, MapReduce, YARN, Hive, Spark, Scala

Languages & Tools: Tableau, Power-BI, DAX, Python(NumPy, Pandas, Keras, TensorBoard, Scikit, Matplotlib, Selenium), R(Dplyr,Tidyr, Caret, Ggplot2, Shiny, Httr), Java(OOP,JSwing,cURL, Tomcat, SpringBoot), C++, Scala, Jenkins, Docker

Machine Learning & Deep Learning: Boosting, Bagging, Ensembles, Regression, Supervised/Unsupervised Learning, RNNs, LSTMs, CNNs, Image/Text Classification, Hyperparameter Tuning, Deep Learning Design Architecture, Generative AI

Web Technologies: HTML/CSS, JavaScript, Bootstrap, Git, Flask, React

PROJECTS

Please visit my portfolio at homayounbanazadeh.netlify.app to view a demo, the codebase and technical reports for each project.

AVAILABILITY

Available for roles across the Canada. Can relocate & start in 3 to 4 weeks from the application date.