

# Homa H.B. Banazadeh

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## EXPERIENCE SUMMARY

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Data Developer with 3+ years of industry experience working on high-impact projects on big-data pipeline migrations, KPI visualizations and Azure ecosystem.

## PROFESSIONAL EXPERIENCE

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### Data Engineer

Oct 2022 - Present

*Faradars*

*Tehran, Iran*

- Engineered data storage solutions tailored for diverse multimedia content, delivering scalability and peak traffic resilience, resulting in a notable 39% reduction in monthly Azure billing costs.
- Implemented advanced data processing pipelines and optimization techniques, enhancing the platform's ability to efficiently handle large volumes of multimedia content and ensure seamless access for users worldwide.
- Fortified platform security with Azure Key Vault for secure key management and Azure Active Directory for robust authentication, ensuring stringent data protection and regulatory compliance while integrating coding solutions.

### 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.
- Authored 7 mapping documents enabling the team to grasp transformations without delving into code.
- Processed extensive SQL logic containing hundreds of lines to develop new transformations in Spark and translated the SQL scripts into various dialects.

## EDUCATION

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### Bachelor of Science in Data Science, Minor in Computing Science

Sep. 2018 - Aug. 2022

*Simon Fraser University*

*Burnaby, BC*

- Dean's Honor List, SFU Transfer Scholarship, Peer Education Volunteering Group Manager.
- Hackathons: SAP 2022 Team Spirit Hack: 5th place out of 35 teams.

### Azure Data Engineering Certification

Oct. 2023 Dec. 2023

*Microsoft - Result: 86/100*

*Vancouver, BC*

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

### English Proficiency Certification

Apr. 2024

*CELPPI - Result: Overall 10/12 - Equivalent to IELTS 9.0.*

*Vancouver, BC*

## TECHNICAL SKILLS

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Languages: Python, R, Java, C++, SQL, Scala

Frameworks: JUnit, Flask, React, Keras, Spark

Visualization: Matplotlib, Seaborn, Power-BI, Tableau

Data Manipulation: Pandas, NumPy, SQL

Deep Learning: RNNs, LSTMs, CNNs

Machine Learning: Scikit-learn, XGBoost

Azure Ecosystem: Data Factory, Databricks, Hadoop

Databases: SQL Server, PostgreSQL

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

Web Scraping & APIs: BeautifulSoup, http, twitR

## AVAILABILITY

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Available for roles across the Canada. Can start in 2 weeks from the application date.