

# Farhan Sheikh

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## Education

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University of Calgary, BSc in Computer Science

- Expected Graduation May 2027

## Skills

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- **Languages:** Java, Python, Javascript, SQL, Typescript, Assembly, React.js, Node.js, Tailwind CSS, Swift
- **Frameworks:** Django, Spring Boot, Dbeaver, Flask
- **Cloud/Database/TechStack:** Docker, Amazon Redshift, RDS, AWS, DNS
- **Data Engineering and AI:** PySpark, Kafka, Hadoop, Pandas, Power Bi, DBeaver, LLM, Pytorch, MS Fabric
- **Project Management:** MS Project, Agile, Scrum, Jira

## Visionary Initiatives

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Jobley – Your AI Agent That Applies Before You Blink - In progress

- Building a dual agent AI that finds job postings within minutes in your desired companies, crafts personalized applications, autofills forms across portals, and only asks: **'Should I hit submit?'**
- Combines real-time scraping, LLM-powered resume/cover letter generation, and dynamic form automation into one seamless agentic pipeline
- Goal: **Make job hunting obsolete**; you focus on interviews, Jobley handles the rest.

## Experience

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**IS Operations and Performance Analyst Intern**, TC Energy – Calgary, AB Jan 2025

- Created **PySpark**-driven **AWS Glue** jobs for high-volume data processing and tuned **SQL** queries to reduce run times by 50%, accelerating insights from multiterabyte datasets while cutting AWS costs by 30%.
- Pioneered an automated data workflow using **AWS Lambda** and **Python** to replace manual data consolidation, reducing data refresh time from 3 to 1 hour, while eliminating errors in key financial reports.
- Collaborated with a cross-functional team of engineers, analysts, and project controllers to build interactive **Power BI** dashboards and semantic **Microsoft Fabric** models, providing real-time visibility of KPIs and reducing manual reporting by 70% to drive data-driven decision making.

**Moveworks AI Agent Developer**, TC Energy – Calgary, AB Jan 2025

- Built and deployed internal AI agents using **Moveworks Agent Studio**, with **slot mapping**, resolver logic and intent configuration.
- Integrated Moveworks **Data API** to stream agent usage metrics into internal dashboards for real-time monitoring and optimization.
- Deployed secure on-prem agents configuring outbound **TLS**, **OAuth token flows**, and **Azure Key Vault** for credential management.

**Student Software Developer**, C&P Eng. Dept. U of C – Calgary, AB Sep 2024 – Dec 2024

- Boosted lab uptime by deploying and configuring **NEMO**, an open source lab management software, using **Python** and **Django**, resulting in an increased operational availability by 30%.
- Optimized container management of NEMO using **Docker** and **DNS** configuration, reducing downtime by 25%.
- Coordinated NEMO deployment and configuration through GitHub, streamlining laboratory workflows and improving efficiency by 20%.

**IT Technician**, Calgary Stampede – Calgary, AB June 2024 – July 2024

- Ensured 89% uptime for **LightSpeed** POS systems during peak events by delivering prompt technical support.
- Diagnosed system issues using **Nagios** monitoring and **TeamViewer** remote support, boosting workflow efficiency by 15%.
- Identified vulnerabilities and streamlined resolution processes with detailed Confluence documentation, reducing resolution time by 30%.