Farhan Sheikh

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Education

University of Calgary, BSc in Computer Science

- Expected Graduation May 2027

Skills

- **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, Pyctorch, MS Fabric
- **Product Management:** Figma, MS Project, Agile, Scrum, Jira, Asana, MixPanel

Visionary Product Idea

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

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

- 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%.
- Leading the development of the **IT Finance Financial Model** on **Microsoft Fabric**, architecting data ingestion **pipelines**, authoring **Python notebooks** and configuring Fabric **Dataflows** and **Lakehouses** to consolidate multi-source financial datasets for forecasting and analytics.
- Engineered data-driven **Power BI** dashboards and **Fabric semantic models** to surface key operational **KPIs**, integrating **DAX measures**, dynamic parameters, and automated refresh pipelines to drive real-time business intelligence and IT financial strategy.

AI Agent Developer, Moveworks – Calgary, AB   May 2025 - Current

- Architected enterprise-grade AI Agents by using **Moveworks Agentic** Reasoning Engine integrating with the **MS Graph API**. This allowed employees at **TC Energy** to complete tasks such as - **scheduling meetings, checking colleague availability and sending emails** via the AI agents.
- Designed and implemented real-time, event-driven automation pipelines using **Moveworks Webhook Listeners**, enabling **Ambient Agents** to process and act on critical **system events** instantaneously without human support.
- Leveraged the **Moveworks Data API** to ingest raw interaction and usage data into BI tools, creating real-time stakeholder dashboards that provided transparency into **adoption rates, cost savings and agent performance**.

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%.