

# ZAIN KHAN

CALGARY, AB | [ZAIN.MK@HOTMAIL.COM](mailto:ZAIN.MK@HOTMAIL.COM) | (403) 615-9897 | [Github](#) | [LinkedIn](#)

**EDUCATION** **WESTERN UNIVERSITY** | LONDON, ON | *Sept 2016 – April 2021*  
Dual Degree in Computer Science (BSc) and Mechatronics Systems Engineering (BESc)

**TECHNICAL LANGUAGES** **FRONTEND** | React JS/TS, HTML, CSS  
**BACKEND** | Python, Java, Node JS  
**ML** | TensorFlow, Keras, PyTorch, Numpy, Pandas, Pillow  
**EMBEDDED** | C/C++, MATLAB/Simulink  
**DATABASE** | SQL, GraphQL, PostgreSQL, MongoDB  
**OTHER** | Unix, Git, Kubernetes, Docker

**WORK EXPERIENCE** **SMART TECH DEALS** | DEVELOPER, ASSISTANT MANAGER | CALGARY, AB | *April 2024 – Present*

- Website management duties; updating new promotion related graphics, optimizing sales site for SEO, custom integrations with Shopify's API.
- Automating inventory related tasks such as publishing on Facebook marketplace. Creating a custom inventory tracking application to sync information between different sales points.
- Advising inventory purchases, implementing profit tracking, conducting sales, and becoming a subject matter expert on products sold to advise sales to customers.

**HELIOLYTICS** | FRONTEND DEVELOPER | TORONTO, ON | *August 2021 – June 2023*

- Led development of a new internal *React* based web tool, from working alongside users in defining requirements to launching the app into production, decreasing turnaround time of image data collection to generating client reports and effectively allowing for a higher capacity of clients.
- Full stack responsibilities such as managing a *GraphQL* database, writing *Python* scripts, implementing/testing internal API endpoints, utilizing *ML* algorithms, handling authorization tokens and other tasks as required. Adept at documenting and detailing all software design decisions.
- Lead developer for various SAAS POC's with regards to solar site management. Played an active role in the creation of a formal scrum team, defining processes between product, design and QA.

**UNIVERSITY OF CALGARY** | DEVELOPER | CALGARY, AB | *May – August 2020*

- Primary developer as part of a multidisciplinary team to assist the transition of establishing teaching resources online for the Chemical Engineering Department at the University of Calgary, during COVID-19.
- Utilized *JavaScript*, *HTML* and *CSS* to create interactive web pages consisting of content and calculators for students to use as well as a database to keep track of individual progress.

**CERTIFICATES** **IBM AI ENGINEERING BY IBM ON COURSERA** | *August 8<sup>th</sup>, 2024*

PERSONAL PROJECTS LISTED ON [SITE](#)