

David Katz

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EDUCATION

Carleton University

Honors Bachelor of Computer Science, Minor in Business Administration

Ottawa, ON

Sept 2019 - Apr 2023

TECHNICAL SKILLS

- **Programming Languages:** Python, Typescript, JavaScript, Java, C++, SQL, GraphQL, Bash/Shell
- **Web Frameworks/Tools:** React.js, FastAPI, Node.js, Next.js, Express.js, Django, Flask, jQuery
- **DevOps:** AWS, Docker, Kubernetes, Terraform, Github Actions
- **Databases:** PostgreSQL, MySQL, SQLAlchemy, SQL Server, MongoDB/NoSQL, Snowflake

PROFESSIONAL EXPERIENCE

Coveo

Software Engineer

Montreal, Canada

May 2022 - August 2022

- Working in a DevOps role helping the R&D Security/Defense Team improve Coveo's organizational security posture.

Just Web Agency

Full-stack Engineer

Toronto, Canada

September 2021 - May 2022

- Increased customer leads by **400%** by developing a market outreach tool using **React.js, Python, FastAPI, and SQLAlchemy**.
- Improved **scalability** and reduced the resource footprint of multiple components by **45%** by integrating Kubernetes cluster architecture.
- Designed and integrated a **custom image-recognition** web tool using **AWS, Python, PostgreSQL, and Docker** to be used by **3000 users monthly**.
- Needed to communicate in multiple languages in a professional setting on a daily basis, which included **translating between international teams and clients**.

CFIA

Software Engineer

Ottawa, Canada

February 2022 - May 2022

- Developed an automated testing suite using **JavaScript, Selenium, and SQL** ensuring SCORM packages containing courseware correctly migrated to a new learning management system used by **100%** of CFIA staff.
- Implemented cross-browser tests which shortened deployment and integration time resulting in the required work being completed **2 months** ahead of schedule.

Software Engineer

May 2021 - August 2021

- **Automated a Database ETL script migration** process using Python, SQL, Toad for Oracle, and IBM InfoSphere DataStage which sped up migration by **85%**.

Carleton University

Teaching Assistant (Discrete Math I and II)

Ottawa, Canada

January 2021 - April 2021 and January 2022 - April 2022

- Improved students grades by designing and hosting tutorials, and running office hours.

PROJECTS

[ECSS](#) [Farm Stats](#) [Flappy Bird](#)