

## Steven Mugisha Mizero

Software Engineer

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### SKILLS AND CERTIFICATES

**Languages:** JavaScript, TypeScript, CSS, HTML, Python, Bash, and SQL

**Frameworks:** React.js, Next.js, Redux, Express.js, REST APIs, Django, Hugging Face

**Technologies:** PostgreSQL, Oracle, MongoDB, Azure, AWS, and Kubernetes/Docker

**Certificates:** [AWS Solution Architect Associate](#)

**Field of Interest:** UX/UI design

### WORK EXPERIENCE

**Full Stack Software Developer** – Stack: React.js, TypeScript, Oracle, and Azure

Jun 2023 – Present

*Food From Thought*, Guelph, Ontario

- **Architected and implemented the user interface to compose schema models from a tabular approach**, driving the website to an engagement of, at peak times, an almost **45%** increase
- **Contributed extensively to the creation of Overlay Capture Architecture**, an open-source standardized language for describing data schemas
- Lead the development and architecture of technical tools like **content management systems, REST APIs, and continuous integration** pipelines to fulfill business requirements
- **Implemented MuleSoft integration solutions, leveraging Anypoint Platform to design and develop APIs**, connectors, and integrations that facilitated data exchange and communication between diverse systems
- **Audited Java applications integrated with Oracle RDBMS for SQL injections**, authorization/authentication vulnerabilities and database-level security

**Software Developer** – Stack: JavaScript, Node.js, Python, SQL, Docker, and REST

Jan 2023 – May 2023

*Agri-food Data Canada*, Guelph, Ontario

- Developed a mechanism to dynamically rendering location-based data using super clustering caching in **Redux** saving up **76%** in application performance
- **Automated manual tasks**, such as to bulk delete content for platform content moderation using Python, increasing productivity by implementing scheduled jobs and batch processing
- **Led the development of a robust RESTful API using Django** to enable real-time data exchange between frontend and backend

**Software Developer** – Stack: Python, RShiny, PostgreSQL, Docker, and Bash Scripting

Dec 2021 – Dec 2022

*University of Guelph*, Guelph, Ontario

- **Built a website to download geospatial data** and currently receiving over **1,000 downloads** per month – <https://www.uoguelph.ca/watershed/w3s/>

### PROJECTS

**3D Portfolio:** An interactive portfolio template with 3D animations for an enhanced user experience – **React.js**

**Saidify:** A **TypeScript** module to cryptographically compute hashes for data objects and embedding them inside

**Drought Pakistan:** A machine learning project to assess droughts around Pakistan in real-time – **Python**

### EDUCATION

**University of Guelph**

**Master of Science** – Data Analytics

**University of Nebraska-Lincoln**

**Bachelor of Science** – Applied Climate Science | Minor: Computer Science

- Awards: Howard G. Buffett Foundation Scholarship (undergraduate fully funded scholarship)