

# Carlton Osinde

Toronto, Canada

## Skills

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**Languages:** Python, JavaScript, Java  
**Frameworks:** Express, Django, React, Node.js, SpringBoot  
**Tools:** AWS, GCP, Kubernetes, SQL, Docker, CircleCI, Postgres, Vercel

## Work Experience

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**Technical Project Manager**                      **The Focus Company**                      **Sept 2021 – Present**

- Developing and maintaining a **batch data pipeline** using **Python** for comparing transactional data across 6 nationwide sites. Ingesting 12 million rows daily from the **AWS DynamoDB** database. Captured \$70K in unaccounted expenses.
- Optimized payment gateway of a **Node.js** back-end serving 1K daily visitors. Integrated **Shopify API** with LMS front-end via **REST**, enabling transactional data logging. Estimated \$162K annual overhead cost savings.
- Implemented automated email-sending feature leveraging **SendGrid API**, Dynamic Transactional Templates, **AWS Step Function**, and Handlebars templating language. Streamlined lead-to-purchase order conversion.

**Data Engineer**                                      **TD Securities**                                      **May 2021 – Sept 2021**

- Led the development of a **Python**-based ETL pipeline for the Capital Markets team, scaling table updates to 40,000 records of currency rate data. Ensured robust logging, automated job failure notifications, performance alerts, and stale data checks.
- Translated financial algorithm from a proof-of-concept PDF and Excel sheet into reliable and extensively tested Java code. Improved accuracy of alpha-identifying algorithms by 12%.

**Web Developer**                                      **York University**                                      **Sept 2019 – Apr 2021**

- Provided crucial support for **data migration** from old to revamped website design. Implemented consistent naming conventions and conducted thorough accuracy checks across all web pages.
- Created and executed **Selenium** scripts for live website testing, ensuring optimal functionality and generating comprehensive reports.

**Data Engineer**                                      **U SPORTS**                                      **Jan 2019 – May 2019**

- Optimized **SQL** queries for a **Tier1 microservice**, handling 100 daily queries. Achieved 50% latency reduction, accurate log error reporting on **MySQL Server**, and eliminated timeouts.
- Designed and implemented reverse-**ETL pipelines**, migrating customer engagement data from **PostgreSQL** to Salesforce. Enabled marketing team access to 2018 Nationwide Winter Sports data for closing partner deals.

## Personal Projects

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**Full Stack Software Engineer**                      **Chaqu.io**                                      **Oct 2022 – Present**

- Developing a full-stack scalable web app using **React.js** to digitize restaurant menus and analyze customer data.
- Designed a microservice architecture leveraging **RabbitMQ** to queue requests to multiple services and connected via **REST & GraphQL APIs** to retrieve metadata from the NoSQL database and media files from an **AWS S3 bucket**.
- Built a **CI/CD deployment pipeline** that tracks **Git** commits and uses **CircleCI** to schedule jobs to perform automated tests before deploying to **Vercel** to reduce manual reviews and catch bugs.

## Education & Certificates

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<b>Certified ScrumMaster</b>	Scrum Alliance	<b>2023</b>
<b>AWS Cloud Practitioner</b>	Amazon Web Services	<b>2023</b>
<b>Bachelor, Information Technology</b>	York University	<b>2018 - 2022</b>