OM OGALE

🌐 Portfolio Website | 📞 548-994-9110 | ✉ oogale@uwaterloo.ca | in linkedin.com/in/om-ogale/ | ○ github.com/OmOgale

SKILLS

Languages: Java, TypeScript, C++, Python, Kotlin, C, SQL, JavaScript, Bash, Racket, HTML/CSS,
Frameworks and Technologies: Spring Boot, JUnit, Next.js, React, MongoDB, MySQL, PostgreSQL, Node.js, Express.js, Flask, jQuery
Developer Tools and DevOps: Google Cloud Platform (GCP), Git, Docker, Datadog, Terraform, Kubernetes, Tekton, Jenkins, Visual Studio Code, IntelliJ IDEA, Agile, Jira, Slash, Vercel

COMMUNITY

🚀 **Software Executive @ Google Developer Student Club (GDSC)**
Leading design choices and the product suite, including the team website and Discord bot

🖌 **Software Developer @ Class Profile, University of Waterloo CS Club**
Creating cool interactive visualizations to usher in a new era for the CSC's yearly student profile

EXPERIENCE

Software Engineer — Sep. 2024 – Current
Ford Pro — *Dearborn, MI (Remote)*

⭐ *Outstanding Evaluation*

- Architected one of **Pro Tech's top 5 milestones**, a new scalable, high-throughput vehicle enrollment flow, processing **5M+ annual transactions** and **driving $10M+ in revenue**
- Pioneered **composite monitoring** at Pro Tech across **100+ teams**, reducing MTTR across **5000+ annual incidents** saving millions
- Engineered **event-driven microservices** in **Java** and **Kotlin** with **Spring Boot**, leveraging **GCP Pub/Sub** for real-time messaging and adopting the **XP methodology**, prioritizing **pair programming** and a **TDD-first approach** for robust testing
- Independently built an **LLM agent** to automate **Jira tickets' creation**, streamlined the codebase by creating a **utilities library** for DTOs and generics to **eliminate redundancy**, and led pipeline deployments with **Tekton** and **Terraform**

Software Developer — Jan. 2024 – Apr. 2024
Ford Motor Company of Canada — *Oakville, ON*
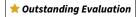
⭐ *Outstanding Evaluation*

- Spearheaded a **56% increase** in dynamic KPI reports to over 60 KPIs by using **Recharts** and **Google Charts**
- Planned and built complex **end-to-end dashboards** concerning Global Metrics and Performance Targets in **TypeScript** with **NextJS** and **MUI X** integrated with **SWR caching strategies** utilizing **MySQL** for data
- Maintained the **legacy team website** in JavaScript utilizing **MaterializeCSS** with **jQuery**
- Introduced novel state management logic and **enhanced load times by 90%** utilizing **Zustand** for complex report filters

Systems Software Developer — May 2023 – Aug. 2023
Ford Motor Company of Canada — *Ottawa, ON*

⭐ *Outstanding Evaluation*

- Independently developed KPIs for an **upcoming ECU** to identify **performance bottlenecks** utilizing the **Slash Testing framework** in **Python**, **QNX** and **Android Debug Bridge (ADB)**
- Setup the **first installation** of Ford's upcoming infotainment system in the Ottawa Lab
- Solely managed a critical component and **lead tri-weekly standup meetings** with the Performance team to notify metrics, regressions, as well as blockers

PROJECTS

Om's Exhibit | *TypeScript, NextJS, NodeJS, Express.js, MongoDB, Chakra UI, MDX*
- My personal digital exhibit styled in **Chakra UI**! A deep-dive into my thoughts, projects, milestones, and skillsets
- Created with **NextJS** and **Express.js** which extracts **MDX** blog posts from **MongoDB** by leveraging **relevance-based fuzzy search**

Zippy | *C++, Python, Docker*
- Greater than **2:1 file compression ratio** utilizing **concurrent parallel processing** with the **Huffman Coding Algorithm**
- Containerized the application using **Docker** with **multi-platform support via buildx** to achieve an optimized runtime

DailyDive | *ReactJS, Python, Javascript, Flask, Atom, TailwindCSS, Vercel, Replit*
- Built DailyDive, a **full-stack privacy-driven web digest** for educative and amusing content
- Worked on the backend powered by **Flask**, integrating an **online chat guru using the CohereAPI** as well as the **MemeAPI for the live feed** and designed the frontend using **Javascript**, **React**, and **TailwindCSS**

EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Computer Science, AI Specialization — *Sept. 2022 – Present*