YASH OZA

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Experience

NVIDIA – Cloud Platform

Software Engineer | Golang, Python, Angular, Kubernetes, MongoDB   Jan 2022 – Apr 2022
- Incoming Software Engineer Intern on NVIDIA's Cloud Platform working in **Go**, **Python**, and **Typescript** to improve the performance of user and service driven authentication requests to the cloud in a concurrent & scalable manner to meet future growth

MDA – MDA Space Missions

Software Engineer | Java, TypeScript, Node.js, Angular, Docker, Kubernetes, MongoDB   Jan 2021 – Apr 2021
- Engineered **13+** backend features on Triton, a Vessel Management and Navigation System for NATO, in **Java Spring Boot** using various design paradigms like Observer, Aggregator, Strategy to complement its **Microservices** architecture
- Implemented **19+** versatile **REST API** endpoints and reduced the latency of **15+** existing endpoints by **17** minutes a day
- Enhanced Triton's Application View in **Angular** with heuristics like pure piping and lazy loading to reduce its load time by **23%**

Software For Love

Software Developer | Angular, React, TypeScript, Node.js, MongoDB, HTML5, CSS   Jan 2021 – Sept 2021
- Developed **30+** responsive **React** components for business clients raising **$5000+** worth in donations for charities like True North Aid
- Created a rental marketplace with a **Stripe** payment system, a **MongoDB** database, and the ability to login with **Facebook** & **Google**

Blackberry – *QNX Software Systems*

Software Engineer | Python, JavaScript, SQL, Django, Docker, Selenium   Jan 2020 – Apr 2020
- Developed a **REST API** Reservation System in **Python** based **Django** with **100+** users that reduced reservation spurred conflicts by **93%**
- Recycled DOM elements in **JavaScript** asynchronously to reduce the browser's memory consumption by **21%**
- Increased the speed of a **Linux** toolchain API by **1.5x** through **SQL** optimizations like normalizing tables and creating stored procedures
- Improved **Docker's** runtime performance and reduced latency by **38%** with build caching, preloading, and condensing Dockerfiles

Toronto Dominion Bank – *TD Securities*

Systems Analyst | Bash, Excel, VBA, Jira   May 2019 – Aug 2019
- Automated **40+** hours of work per month by periodically scraping through log files via **Bash** Scripts, auto-generating email notifications, and routinely populating spreadsheets with **VBA** scripts
- Reduced the time lag between job failure and detection by an average of **4** minutes with **Bash** scripts scheduled via **CronJobs**

Projects

TrashSort : An **Android** app that classifies trash from images
- Collaboratively implemented the **AWS Express.js** server & **CNN** image classifier of the app using numerous open-source datasets on **Kaggle**, achieving **91%** accuracy – Winner of the **Best Software Architecture Application of Summer 2021** @ University of Waterloo

Skills

Languages | Golang, Python, Java, C, C++, Bash, SQL, TypeScript, JavaScript, MongoDB
Technologies | Docker, Django, AWS, Angular, Git, TensorFlow, React, Node.js, Kubernetes, Hadoop, Spark

Education

Honours Bachelor of Computer Science & Business Administration Double Degree   Sep 2018 – Apr 2023
- **University of Waterloo** - Computer Science | Specialization: Software Engineering   GPA: 3.9/4.0
- **Wilfrid Laurier University** - Business Administration | Concentration: Accounting   GPA: 10/12