Dhruv Mittal

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SKILLS

Languages: Python, JavaScript, C++, PHP, Typescript, C, Dart, Kotlin, SQL, Bash, HTML, CSS
Technologies: Node, Express, Laravel, Flutter, React, Docker, Kubernetes, MongoDB, Firebase, Jest, GraphQL, Git

EDUCATION

University of Waterloo | Candidate for Honors Bachelor of Computer Science (Co-op)   Sep 2019 – Apr 2024
- President's Scholarship of Distinction, 4-time Term Distinction award
- Relevant Courses: Data Structures, Algorithms, Operating Systems, Networks, Object Oriented Programming

EXPERIENCES

Wave Financial | *Incoming Software Engineer Intern*   Sep 2022 – Dec 2022
- Incoming backend developer working on projects with Python, Ruby, and JavaScript

Bold Commerce | *Software Engineer Intern*   Jan 2022 – Apr 2022
- Architected an independent service to centralize feature flag management for over **1500+** company stores
- Automated deployment management processes by creating **RESTful APIs** to update feature flags, integrating Slack and Jira **webhooks** to notify developers of changes made to application state
- Delivered an end-to-end solution to add custom relationships between **4500+** customer stores leveraging the repository-service design pattern with **Laravel** and sagas with **React**; presented in company townhall
- Constructed a dockerized Gitlab **CI/CD pipeline** to automate testing and deployment of the post purchase extension

Condos.ca | *Full Stack Development Intern*   May 2021 – Aug 2021
- Integrated **4** data feeds to automatically retrieve property records every day, helping expand into **3** new markets
- Abstracted listing feed code in **Laravel** to ease the addition of new feeds and reduced code duplication by **26%**
- Geocoded records with **MySQL** and **MongoDB** databases using **Eloquent** model relations and **Laravel** query builder
- Built additional features on the admin website and refactored the lead dashboard to decrease page load time by **40%**

Year Zero Studios | *Software Developer Intern*   Jun 2020 – Aug 2020
- Developed a **Flutter** mobile application incorporating **40** meditation recordings using the **Dart** AudioPlayers library
- Increased content views by **22%** by creating dedicated **React** webpages for podcasts on the company website

EXTRACURRICULARS

UW Blueprint | *Project Lead, Product Manager* ↗   May 2022 - Present
- Leading a team of **8** developers and **3** designers as the Project Lead; previously a Product Manager for summer term
- Building a camp booking platform for an NPO; handles payments with **Stripe API** and decreases overbookings by **80%**
- Responsible for sprint planning, client meetings, leading weekly work sessions, code review, mentorship, and socials!

Tech+ UW | *Internal Operations Manager, Logistics Organizer*   Jan 2020 – Dec 2021
- Responsible for managing finances, planning overall club strategy, and road mapping key initiatives
- Oversaw a mentorship program with over **120** mentor-mentee pairs and organized **4** mentorship focused events

PROJECTS

ReserveIt | *Typescript, Node, Express, MongoDB* ↗
- Created **3 Node microservices**; containerized using **Docker** and **Kubernetes** with a **Nginx Ingress load balancer**
- Published a custom **npm package** to share reusable code amongst numerous **Express** servers built using **Typescript**
- Facilitated cross-service communication by using the publisher-subscriber pattern with the **NATS Streaming Service**

Subleteer | *MongoDB, Express.js, NodeJS, React* ↗
- Created a **Node** backend integrated with a **MongoDB** database, implementing geospatial queries, user authentication, and image uploads
- Designed and developed the user interface with **React**, utilizing **Redux**, **React Hooks**, and **Axios**