

Jesus Garcia Moreno

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Education

University of Waterloo

BASc IN COMPUTER ENGINEERING

Waterloo, Canada

Sept. 2018 - Apr. 2023

- Awarded the President's Scholarship of Distinction and recognized on the Winter 2020 Dean's Honours List.
- Relevant coursework: Algorithms & Data Structures (**C++**), Databases (**MySQL**), Distributed Systems (**Java**), Concurrency (**C**).

Experience

Robinhood

INCOMING SOFTWARE ENGINEERING INTERN

Menlo Park, USA

Sept. 2022 - Dec. 2022

- Backend development using **Python**, **Java**, **Django** and **Go**.

Cisco Meraki

SOFTWARE ENGINEERING INTERN

Remote

Jan. 2022 - Apr. 2022

- Re-architected the existing Meraki click-through splash page into a highly available **Go** microservice to eliminate its downtime during maintenance, the previous implementation lived inside a **Rails** monolith which was prone to unrelated outages and disruption.
- Leveraged **Kubernetes** to orchestrate the deployment, management and scaling of Docker containers, running Go and NGINX applications.
- Published asynchronous **RabbitMQ** messages to authenticate end-users to the Internet, enforcing a fault-tolerant system.
- Led an investigation about distributed tracing solutions to track and observe requests as they propagate through various services.

PagerDuty

SOFTWARE ENGINEERING INTERN

Remote

Jan. 2021 - Apr. 2021

- Developed and maintained distributed, fault-tolerant **Elixir/Phoenix** microservices using **Kafka** as a pub-sub and queue-based messaging system that supports every data pipeline of PagerDuty.
- Released new features in the Event Intelligence Product by following **test-driven development** best practices.
- Provisioned and deployed scalable microservices to European data centers by utilizing Bash scripts and IaC tools like **Terraform** to create new **AWS** resources (such as S3, Elasticsearch, RDS, ElastiCache, IAM), Kafka topics, and CI/CD pipelines.
- Participated in the team on-call rotation to investigate and fix critical operational issues across various **Docker** containerized microservices.

SOFTWARE ENGINEERING INTERN

May 2020 - Aug. 2020

- Performed several **MySQL** database migrations and worked on monolithic codebases written in **Ruby** and **EmberJS**.
- Created and executed backfill scripts to populate Amazon **S3** buckets in staging and production environments.
- Enhanced existing postmortem feature with **Elixir** and **EmberJS** to allow multiple templates, rich text editing, and embedded images, winning **1st place** in the Intern Hackathon by presenting the solution to company executives.

Manulife

SOFTWARE ENGINEERING INTERN

Waterloo, Canada

Sept. 2019 - Dec. 2019

- Developed a full-stack application with **MongoDB**, **ExpressJS**, **React**, and **NodeJS** which tracked scheduled service outages.
- Contributed to a health-check app in **React** and **C#** that monitored the performance of microservices through API endpoints, which served as a test result and visualization service to reduce debugging time from hours to seconds.

BioConnect

QA ANALYST INTERN

Toronto, Canada

Jan. 2019 - Apr. 2019

- Kickstarted the automation test suite for the BioConnect Android app using the **Appium-Python** client and created over **50** test scenarios.

Extracurriculars

ColorStack

MEMBER

Remote

Apr. 2021 - Present

- Actively contribute and engage in a community focused on the career development of over 1600 Black and Latinx computer science undergraduate students dedicated to pursuing technical careers upon graduation.

Tech+ UW

MENTOR

Remote

May 2021 - Jan. 2022

- Organized biweekly 1-on-1s with an assigned mentee to provide guidance, offer insight and act as a resource to the tech industry.

Skills

Languages Python, Go, Elixir, Ruby, JavaScript, C/C++

Technologies AWS, Terraform, Kafka, RabbitMQ, MySQL, MongoDB, Kubernetes, Docker, Linux, NGINX, Datadog, Postman, Git