# Jesus Garcia Moreno

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## Skills

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| **Languages** | Python, C/C++, Elixir, JavaScript, HTML/CSS |
| **Technologies** | AWS, Terraform, Kafka, MySQL, MongoDB, Docker, Linux/Unix, CircleCI, Buildkite, Nomad, Datadog, Postman, Git |
| **Frameworks** | Phoenix, NodeJS, ExpressJS, React, EmberJS, Bootstrap, ExUnit, Selenium |

## Experience

### PagerDuty
*Remote*

SOFTWARE ENGINEERING INTERN — *Jan. 2021 - Apr. 2021*

- Developed and maintained distributed, fault-tolerant **Elixir/Phoenix** microservices using **Kafka** as a pub-sub and queue-based messaging system, these services resided in a mission-critical data pipeline that requires maximum uptime.
- Released new features in the Event Intelligence Product by following **test-driven development** best practices.
- Provisioned and deployed scalable microservices to the cloud by creating new Kafka topics, CI/CD pipelines, database clusters through the use of **Terraform**, **AWS**, and **Buildkite**.
- Actively participated in the team on-call rotation to identify, triage, investigate and fix critical operational issues across different **Docker** containerized microservices.
- Monitored and logged key consumer metrics using **Datadog** dashboards to improve team's performance visibility.

SOFTWARE ENGINEERING INTERN — *May 2020 - Aug. 2020*

- Performed several **MySQL** database migrations and worked on monolithic codebases written in **Ruby** and **EmberJS**.
- Debugged and fixed customer-reported bugs by investigating **Sumo Logic** logs and utilizing internal tools.
- 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
*Waterloo, Canada*

SOFTWARE ENGINEERING INTERN — *Sept. 2019 - Dec. 2019*

- Architected and developed a full-stack application with **MongoDB**, **ExpressJS**, **React**, and **NodeJS** which tracked scheduled outages for a variety of major services used by Manulife's Claims System Transformation team.
- 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.
- Leveraged the **Jira API** and internal **SQL** databases utilizing NodeJS to predict the estimated date of completion for multiple project versions through a linear regression model using story points and status assigned to each issue.

### BioConnect
*Toronto, Canada*

QA ANALYST — *Jan. 2019 - Apr. 2019*

- Built automation scripts using **Python** to improve the test cycle by reducing the time spent on manual testing.
- Kickstarted the automation test suite for the BioConnect Android cloud app using the **Appium-Python** client: implemented BioConnect's API, OOP, and created over **50** reusable test scenarios with 5-25 assertions each.
- Significantly contributed to the Postman API validation test suite by adding over **75** end-to-end test cases, resulting in approximately a total of **1000** API requests with assertions written in JavaScript.

## Projects

### Hack Western
*London, Canada*

INSUREADVISOR — *Nov. 2019*

- Cooperated as a team to construct an online platform that directly matches insurance brokers with people who are seeking specialized insurance packages, which meets both the clients' and brokers' requirements.
- Designed and built a **RESTful API** using **NodeJS** and **ExpressJS** which connects to a **MongoDB** cloud database to store all user data, which was deployed through Google Cloud Platform.
- Developed the client-side application using **React**, **Bootstrap**, and **CSS** to create a responsive user interface.

## Education

### University of Waterloo
*Waterloo, Canada*

BASc IN COMPUTER ENGINEERING — *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++**), Systems Programming & Concurrency (**C**), Operating Systems (**C**).