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Employment

| **Senior Software Engineer** | **Holistic AI** | **April 2023 – Present** |

- I work closely with the Data Scientists to develop and deploy a range of **AI systems**. Setting up inference servers using Triton, deploying our models, and building the production APIs around it;
- Built a service to automate gathering information on the client's systems using a **LLM (Large Language Model)** which extracts necessary information to generate a risk assessment on the system;
- Optimized the total running time of our data extraction service from upwards of **15 minutes** down to less than **2 minutes**, by tuning and choosing the best hardware that fit our budget.

Key Technologies: Python, Flask, NumPy, Java, Datadog for monitoring and services deployed on GCP and Azure on Kubernetes, and AWS using the Serverless stack.

| **Software Engineer, Enterprise** | **Meta** | **January 2022 – March 2023** |

- Part of the team that builds the internal supply chain software for Meta;
- Led the implementation of Meta's internal approval workflow used to request accessories and devices in the internal store. We built a customizable solution that allowed the business users to configure approval rules on a UI, **greatly reducing** engineering efforts and maintenance, and also saving the company a projected **$1 million** in their first year;
- Helped onboarding several new engineers in the team, getting them up to speed and serving as point of contact for learning our systems;

Key Technologies: Hack, Python, React, Javascript.

| **Software Engineer** | **NetEnt** | **January 2020 – December 2021** |

- Built a number of microservices for slot games, deployed on our on-prem data centers in multiple sites and on **GCP**, and scaled them to process **hundreds of thousands** of game rounds **every minute**;
- Migrated our legacy monolith from an on-prem setup to **GCP**, and then to a microservice architecture;
- Improved **latency issues** on time-sensitive reporting, which was a major risk for losing the gambling license, from the order of multiple seconds to a few **milliseconds** in a legacy system;

Key Technologies: Java, Scala, Kafka, PostgreSQL and a range of GCP products including GKE, Stackdriver, Cloud SQL.

| **Software Development Engineer** | **Amazon** | **January 2017 – December 2019** |

- Developed high scale services for the **AFT (Amazon Fulfilment Technologies)** and features for the Marketplace on the Amazon retail website;
- Built **event-driven services** using the AWS Serverless stack. Including, matching algorithms for inventory and inbound invoices, large-scale data collection and Data Warehousing storage and others;
- On the Marketplace team, we've built features used by **dozens of millions of users** across the globe, following Amazon's **low-latency** requirements for the website, including payment in installments, invoice generation for foreign sellers, and a range of other functionalities on the search, and checkout pages of the website;
- Improved our oncall by automating all steps of our internal infrastructure, including Cloudformation for resource generation and Ruby scripts to generate Wiki pages, monitoring and alarms;
- Started out as an intern and moved to a full time position on **May 2018**;

Key Technologies: Java, Python, Javascript and a wide range of AWS products including Lambda, SQS, SNS, DynamoDB, Redshift and others.

Education

| **B. Sc. Computer Science** | **Universidade Mackenzie** | **July 2013 – July 2018** |

- One of my research projects exposed **one of the largest security breaches** in Brazil's public transportation system which allowed users to ride the subway and buses for free using a smartphone, and was reported in several major newspapers. You can read more on the news coverage here;
- Bachelor Thesis was titled **Probability Models applied to Football**, and focused on implementing and analyzing multiple models on predicting football matches outcomes;

| **Exchange Program** | **The University of Sydney** | **July 2014 – July 2015** |

- Awarded the **Science Without Borders scholarship**, on a nationwide program, for a one-year exchange program at the university and research during the summer;