

Rafit Jamil

Software Engineer, University of Waterloo

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Skills

Languages | Python, Java, JavaScript, C++, Go, TypeScript, SQL, HTML/CSS

Technologies | Node.js, Spring, React, Django, Flask, AWS, MongoDB, Redis, Neo4j, GraphQL, Docker, Git

Education

University of Waterloo | Bachelor of Software Engineering (B.SE)

September 2018 - April 2023

Minor: Artificial Intelligence, GPA: 3.6/4.0

Work Experience

Software Engineering Intern | **Amazon**

July 2021 - October 2021

Vancouver, BC (Remote)

- Working with Java, Spring Boot, DynamoDB, AngularJS and AWS technologies on Amazon projects.

Software Engineering Intern | **Salesforce (Slack)**

May 2021 - July 2021

San Francisco, CA (Remote)

- Led Slack-first Salesforce mission, building renderers and data providers in Spring for Slack App Framework.
- Scaled metrics API to support millions of app instances, report 5000+ hours of server health and interface with Kafka or Splunk.
- Unlocked key insights for developers, support engineers and product teams via new instrumentation service.
- Showcased framework progress by developing company-wide recruitment Slack app with ATS integration.

Software Engineering Intern | **Meter**

July 2020 - December 2020

San Francisco, CA (Remote)

- Spearheaded development and 67% adoption of flagship defect analysis software by designing 3D-inspection UI in React and porosity detection algorithms in Python.
- Generated 6.5 TB of CT scan data with synthetic, cloud data-pipeline built with OpenCV, SQL, RDS and S3.
- Deployed EC2 server with Flask, Celery and RabbitMQ to automate volume-reconstruction for 80% of scans.
- Developed CAD compare and 3D-measurement tools on web-app with TS-React, VTK, Three.js and Firebase.

Software Engineering Intern | **Setter (acq. Thumbtack)**

January 2020 - May 2020

Toronto, ON

- Skyrocketed customer service rating by 47% with real-time ticketing app made in Node, React and GraphQL.
- Led full-stack integration of Knex.js, Cloud SQL and Elasticsearch for robust search queries across web-apps.
- Automated job scheduling in coordination tools to cut average sales cycle from 156 hours to 48 hours.

Software Engineering Intern | **MLSE (Toronto FC + Toronto Raptors)**

May 2019 - September 2019

Toronto, ON

- Built CNN-LSTM model with Apache ML, PySpark and TensorFlow to classify game events with 89% accuracy.
- Integrated Azure Cloud Functions and server-side events in Django to cut data-streaming latency by 73%.
- Streamlined analysis of 3 TB of game data with robust data-processing pipelines in Python, SQL and Azure.

Projects

• **Frame AR** | CAD AR Version Control System

ENG Hacks 2019 1st Place

• **Density** | Population Density Wi-Fi Triangulation

RU Hacks 2019 3rd Place

• **Traffix** | Autonomous Vehicle Network

Delta Hacks 2020 API Prize