Rafit Jamil

Software Engineer, University of Waterloo

rafit.jamil@gmail.com | rafit.me | github.com/rafitj | linkedin.com/in/rafitj

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, **Last Term Avg:** 94%

Work Experience

Software Engineering Intern | **Amazon**   July 2021 – Present
Vancouver, BC (Remote)

- Creating real-time data streaming and visualization app for Amazon Demand Collection in Java and Node.
- Designing Kinesis Firehose cloud-pipeline to filter and feed 10,000+ job events from Dynamo DB to Redshift.
- Empowering client's with analytical query dashboard made in React and powered by Redshift Clusters.

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 500+ hours of server health and interface with services such as Kafka and Splunk.
- Unlocked key insights for developers, support engineers and product teams via custom telemetry injection.
- Supported more complex Slack apps with chainable actions and programmable third-party integrations.

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