Rafit Jamil

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Skills

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

Technologies | Node.js, Spring Boot, 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, **Previous Term Avg:** 94%

Work Experience

Software Developer Intern | **Google**   October 2021 – December 2021
Mountain View, CA (Remote)
- Designed ML-based system decision optimization library for Core Data processing in C++ and TensorFlow.
- Cut data refresh speed by 26% using online machine learning to tune parallelism and batch interval params.
- Reduced development turnaround by an estimated 5% as a result of smart system parameter prediction.

Software Developer Intern | **Amazon**   July 2021 – October 2021
Vancouver, BC (Remote)
- Architected real-time data streaming and analytics platform for Amazon Jobs using Java, Node and AWS.
- Deployed cloud-pipeline to filter and stream 100,000+ job events via Dynamo DB, Kinesis, S3 and Redshift.
- Empowered users with live SQL querying dashboard; slashing data access time from 48 hours to 3 minutes.

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 custom telemetry for millions of app instances, report 500+ hours of server health and interface with Kafka or Splunk.
- 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 made in Python and React.
- 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.