JOSIE ESHKENAZI

🌐 josieesh.github.io ⬦ jeshkena@uwaterloo.ca ⬦ ⓞ josieesh

TECHNICAL SKILLS

Languages	Bash Shell, C++, Java, JavaScript, Python, Scala, SQL
Data tools	Airflow, Datadog, Dynamo, MySQL, PostgreSQL, RabbitMQ, Redis, Spark, SQS, S3
Other tools	AWS, Docker, JDBC, git, Jenkins, Microsoft Developer Tools, Play! Framework
Concepts	BDD, Data Structures & Algorithms, Functional & OOP, MVC, REST APIs, TDD

EXPERIENCE

PlanGrid, an Autodesk company *Backend Engineering Intern*   *Sept 2019 - Present*, San Francisco

· Leading the REST API design and architecture of PlanGrid's Tasks product which provides flexible issue tracking and offline sync capability. Response times saw a 100 - 150ms improvement from those of legacy services.

· Migrating Plangrid's microservices to GraphQL using tools such as Python's Graphene Library for Flask and Django applications and Apollo Federation for Node.js Federated Graph services.

TunnelBear Inc. (acquired by McAfee) *Backend Developer Intern*   *Jan 2019 - May 2019*, Toronto

· Deployed software for customer-facing VPN application whose asynchronous control layers were built using Scala's and Play!'s concepts of Actions, Async and Futures. Response times were cut down by 15%.

· Shipped scalable, high-throughput APIs in adherence with rigorous privacy and security benchmarks, and in-line with the load demands of McAfee's large-scale industry partners such as Samsung and Verizon.

· Worked with Redis in-memory caching to implement robust internal client-server authentication protocol in Java.

TunnelBear Inc. (acquired by McAfee) *Data Engineering Intern*   *May 2018 - Sept 2018*, Toronto

· Wrote, deployed, and owned TunnelBear's internal fault-tolerant ETL pipelines used for performance metrics and the delivery of insight to the marketing team. Also analyzed and presented this data across teams.

· Designed new schemas and CRUD operations of large-scale data sets and improved runtime of existing operations by up to 45 minutes through table redesign, indexing, distributed clusters, and SQL query optimizations.

· Aggregated, processed and stored large-scale data from relational and NoSQL databases using Apache Airflow, Apache Spark, and AWS tools such as S3, SQS, Dynamo, and Redshift.

Finastra *Software Developer Intern*   *Sept 2017 - Dec 2017*, Toronto

· Created internal server-monitoring tool for company-wide diagnostics which reduce trackdown time to 50%.

PROJECTS AND EXTRACURRICULARS

Webpage Summarizer Chrome Extension ⇢ ⓞ   *Jan 2019 - Present*

· Extracts and sends relevant text from a web page to a Django app which passes it through Word Tokenizer and PorterStemmer from the NLTK library. Generates a Natural Language summary of page contents.

Form Auto-Filler for TunnelBear's Password Manager, *RememBear*   *Jun 2018 - Aug 2018*

· Iterated and trained CRF model behind RememBear's form-field detection and auto-fill. By applying feature analysis, accuracy was increased from 80% to 95%, and model reached an F1-Score of 98% on test data set.

· Python Machine Learning libraries used: CRF Suite, SVM and Feature Selection from Scikit-Learn.

GrubIt ⇢ *EngHack - Winner of Food Category*   *EngHack 2018*

· A social "food-matching" web application using Google Maps API, Yelp API and NLTK to conduct sentiment analysis on reviews, poll each group member's preference, and direct to best nearby eatery.

Undergraduate Research Assistant *Amazon Alexa Developer*   *May 2019 - Aug 2019*

· Automated email-sending and meeting-scheduling through Alexa smart assistant API using Node.js, and AWS.

EDUCATION

University of Waterloo - Systems Design Engineering   Bachelor of Applied Science candidate - *April 2021*