JOSIE ESHKENAZI

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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.
- 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 Framework's concepts of Actions, Async and Futures.
- 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.
- 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 assisted with analysis and presentation of this data.
- 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.
- Designed new database schemas and CRUD operations, and improved performance of existing operations by order of tens of minutes through table redesign, indexing, distributed data clusters, and SQL query optimizations.

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 RememBear™ Password Manager   *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*