JOSIE ESHKENAZI

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SKILLS

Languages	C++, C#, Java, JavaScript, Python, Scala, SQL
Concepts	BDD, Data Structures & Algorithms, Functional & OOP, MVC, REST APIs, TDD
Tools	Airflow, AWS, MySQL, Play Framework, Postman, Redis, Spark, Unix Shell

EXPERIENCE

TunnelBear Inc. Jan 2019 - Apr 2019
Back-End Developer *Toronto, ON*

- Deployed asynchronous RESTful services in Scala and Java of the TunnelBear VPN back-end infrastructure.
- Improved average server response times across client-facing endpoints with server-side cache optimizations.
- Assisted in building out and testing OAuth 2.0 Token-Based client-server Authentication functionality.
- Shipped Functional, scalable code in strict compliance with cybersecurity best practices.
- Worked with client-side devs in Agile environment to test, iterate upon, and deliver a robust end-product.

TunnelBear Inc. May 2018 - Aug 2018
Data Engineer *Toronto, ON*

- Improved data processing speed by over 200% through design of new tables, redesign of old architecture and optimization of SQL queries for the delivery of meaningful data to the marketing and analytics teams.
- Developed automated, fault-tolerant ETL pipelines in Python using Apache Airflow and Apache Spark.
- Aggregated, processed and stored large amounts of real-time data from relational and NoSQL databases using AWS services such as AWS Lambda, DynamoDB, Redshift, SQS, and S3.

Finastra Sept 2017 - Dec 2017
Software Developer *Mississauga, ON*

- Designed, developed and shipped internal server health-monitoring app using concepts of MVC and TDD.
- Worked with Scrum team to develop, test, and deploy enterprise code for Collateral Guard, Finastra's financial asset-tracking solution, using .NET, Windows Communication Foundation, and Entity Framework.

PROJECTS

Form Auto-Filler for TunnelBear's RememBear™ Application Jun 2018 - Aug 2018

Tested, iterated, and improved upon the CRF model which allows RememBear™ Password Manager to detect and auto-fill forms on the web. Python libraries used include CRF Suite, SVM and Feature Selection from Scikit-Learn. Accuracy increased from 80% to 95%, and model reached an F1-Score of 98% on test data set.

Web Page Summarizer Chrome Extension

Extracts and sends relevant text from a web page to a remote Python server which passes it through Word Tokenizer and PorterStemmer from the NLTK library to generate a Natural Language summary.

GrubIt ↪ EngHack 2018 - Winner of Food Category

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

EDUCATION

UWaterloo Systems Design Engineering 3A
Candidate for BASc Apr 2021

HOBBIES AND INTERESTS

Rock guitar, museum hopping, dog petting, mountain hiking, and sightseeing