

# Parampreet

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## EDUCATION

### University of Waterloo

Bachelor of Applied Sciences, Computer Engineering

Term 3B

## EXPERIENCE

### Buckzy Payments

Backend Developer

Sep 2020 – Dec 2020

Toronto, ON

- Developed two new Spring Boot microservices from ground up to integrate partner payment gateways
- Set up and deployed Elasticsearch, Logstash and Kibana logging system for multiple services
- Responsible for triaging and reporting issues across multiple services by setting up an alert system using kafka messaging
- Worked on a querying service to check the status of payments with partner payment gateways

### Insticator

Backend Developer

Jan 2020 – Apr 2020

Waterloo, ON

- Built tooling in the form of a maven repository to expedite reporting of business exceptions
- Integrated multiple third party RESTful APIs to the existing Play Framework Java Backend
- Developed proof of concept and later feature for processing of exceptionally large CSV files using streaming libraries to optimize run time by over 100%
- Regularly pushed new features and bug-fixes to production environment with tight deadlines

### OpenText

Software Developer

May 2019 – Aug 2019

Waterloo, ON

- Modernized legacy APIs to RESTful ones so they could be integrated with a newer web application
- Improved page render times by upto 30% through optimizing existing API calls
- Implemented complex SQL queries on very large datasets with a focus on efficiency
- Increased test coverage by 20% by structuring and implementing a new unit testing library

*Previously interned at Oracle Eloqua and infrastructures for information as Software Developer in Test*

## PROJECTS

### Image Repository

Created a Spring Boot application to upload and query images hosted on AWS

### Database Systems Project

Designed a MySQL database, interfaced with Python for an internet traffic dataset from Kaggle

### Operating Systems Project

Designed and implemented a small Real-Time Executive for an ARM based Intel board (C and Assembly)

### Conways Game of Life

Simple implementation of Conways Game of Life as an exercise to learn Javascript

### Compilers Project

Produced the components of a rudimentary compiler for a subset of VHDL