

# Khalid Dhieb

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## EDUCATION

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### University of British Columbia

*Bachelor of Computer Science*

Vancouver, BC

Sep 2020 – Aug 2023

### Concordia University

*Bachelor of Commerce, Major in Finance*

Montreal, QC

Jan 2016 – Dec 2018

## EXPERIENCE

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### Stripe

*Software Engineering Intern*

May 2022 – Aug 2022

Toronto, ON

- Drove and scoped the development of a core money movement abstraction which will power the next generation of Stripe's microservice-based payment APIs in production
- Implemented an event-driven cross-service streaming system using an Event Bus and an AWS SQS Queue to consume and produce messages asynchronously
- Ensured production-readiness by developing a custom dashboard for monitoring server activity, and supported code with unit and integration tests

### SAP

*Agile Developer Intern*

Sep 2021 – Apr 2022

Vancouver, BC

- Fixed frontend and backend bugs as part of the Data Acquisition team for the SAP Analytics Cloud platform
- Implemented entire dependency check feature for deleting data sources in the core Connections page
- Automated testing workflows using Cypress saving team 2 hours of manual testing each sprint

## PROJECTS

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### Twitter Clone | React, NodeJS, Express, PostgreSQL, AWS S3, Cognito

Jun 2021 – Jul 2021

- Social media site that allows users to create a profile, write and like posts, and follow other users
- Used React to create dynamic client-side website, using Express to handle API calls to PostgreSQL backend
- Used AWS Cognito for user authentication, an S3 bucket to store display pictures, and Heroku for hosting

### Pomodoro Chrome Extension | JavaScript, Chrome API

Mar 2021 – Apr 2021

- Allows users to time work intervals and store to-do list objectives
- Used Chrome API to communicate requests between background script and UI
- Leveraged browser storage to store session data, update timer, and track objectives

### Social Event Scheduler | React, NodeJS, Express, Firebase, Google Calendar API

Feb 2021

- React App for keeping in touch with friends by finding common availabilities in schedules
- Used Firebase to handle user authentication and Realtime Database to store friend and time slot data
- Integrated Google Calendar API to allow users to import personal calendars and send event invites

### Messenger Chatbot | NodeJS, Express, MongoDB, Messenger API

Jan 2021

- Used Node.js to build an automated Facebook Messenger chatbot to help friends decide on restaurants together
- Integrated Yelp and Radar APIs to fetch venue data, and MongoDB Cloud to store and retrieve session data
- Implemented and trained Wit.ai NLP model to understand and handle requests for directions from user

### Volunteering Platform | Python, Django, SQLite

Sep 2020 – Feb 2021

- Django website that allows non-profits to recruit volunteers, allowing users to quickly apply for roles
- Dynamically populated backend user data with Python using Object-Oriented models and SQLite database
- Handled authentication for volunteer and non-profit accounts providing user-based permissions and site layout

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL, JavaScript, TypeScript, HTML/CSS, Bash, R

**Frameworks:** React, Node.js, Express, Django, Bazel, Dagger DI, JUnit, Cypress, Jasmine, MongoDB, PostgreSQL

**Tools:** Git, AWS, GCP, Terraform, Docker, Jenkins, Visual Studio, PyCharm, IntelliJ, Postman

**Concepts:** RESTful APIs, CI/CD, Object Oriented Programming, Data structures & Algorithms