

# Romain Davy

(403) 710-5952 & (403) 590-3455 | romaindavy@gmail.com | RomDa00

## Education

### Southern Alberta Institute of Technology

September 2015 – April 2017

- Diploma in Software Development, Graduated with 3.52 GPA.

## Experience

### Software Developer

### Danihel Group

July 2021 – June 2024

Calgary, Alberta

- Sole iOS developer (Swift) responsible for:
  - Design and creation of modern but simple user interface with a focus to draw and retain a users attention.
  - Coding and testing of new features such as user interaction feedback, cloud platform communication and data security.
  - Deployment of new builds to the apple application store for multiple iOS applications.
- Reduced delay when retrieving data from cloud server resulting in faster mobile application load times.
- Developed all server-side API responses to ensure correct data was being delivered & received in a fast and secure manner.
- Acted as intermediary between the database and quality assurance teams to ensure API was functioning as intended.
- Used flutter framework to ensure same level feature richness across mobile devices regardless of platform.

### Software Developer

### PBS Systems

April 2017 – June 2021

Calgary, Alberta

- Developed program modules used by management software that catered to each clients specific requirements which could be changed upon request depending on their needs.
- Improved code completion time and readability through introduction of new data types such as tuples.
- Updated programs to work on new iterations of management software which allowed clients to experience a multitude of software and user interface improvements to ensure that they were operating as efficiently as they could.
- Reduced client workload by minimizing steps to complete a task thus allowing the client to increase productivity and sales.

### Software Developer Intern

### Smart Labs LTD

September 2016 – April 2017

Calgary, Alberta

- Tasked with creation and maintenance of MySQL database including database triggers to log and manipulate data for later use by data analytics team for future product improvements.
- Improved server-side latency via code optimizations by reducing the amount of time it takes for a specific action to be completed while still maintaining client requirements.
- Implemented security measures such as salting and hashing of user passwords using SHA-256 to prevent user information from being readable in the case of a data breach.
- Contributed to documentation of projects such as Class diagrams, Use case diagrams and other documents to ensure up to date project information for the rest of the development team and to ease the onboarding process for new developers.

## Skills

### Languages:

- Swift
- Dart
- Java
- TypeScript
- JavaScript
- Visual Basic (.NET)
- Python
- SQL
- Objective-C

### Tools:

- Visual Studio Code
- Xcode
- Android Studio
- DBeaver
- Postman
- Github Desktop
- GitKraken
- NetBeans
- MySQL Workbench
- Eclipse

### Source Control:

- Git
- Azure DevOps Server
- Apache Subversion

### Frameworks:

- Flutter
- React
- Bootstrap

### Environment:

- Node.js

### Platforms:

- Back4App
- SwaggerHub
- J2ee

### DBMS:

- MongoDB
- MySQL
- SQLite

## Projects

### Crypto Check

- Created android app in Java that allows a user to get up-to-date cryptocurrency prices in different world currencies, Keep track of Investments using the built-in ledger and get notified of price changes for any and all cryptocurrencies.
- Incorporated localized data storage to store cryptocurrency prices and other information in the event that the user is offline.
- Utilized: Java, SQLite, Localized Caching, Data retrieved via multiple API's, Android Studio

### Tic Tac Toe game

- Created desktop application in Java that allows users to play games of Tic Tac Toe against each other across a local network, with real time communication between players with built-in chat window.
- Utilized: Java, Socket (IP/TCP) Programming, GUI created using WindowsBuilder, Eclipse IDE

### Duplicate Image Finder

- Created desktop application in Python that can find image duplicates with pixel precision accuracy within multiple folders and move the lower quality image duplicates to another folder for the user to determine their use.
- Utilized: Python, Local Persistent Data, Python Imaging Library (Pillow), GUI via tkinter, Visual Studio Code

### Personal Website

- Created single page website containing information about myself that is hosted using Github Pages which allows for instant Website changes upon code deployment.
- Utilized: JavaScript, HTML/CSS, BootStrap, Github, Visual Studio Code