

EMILIO DITROCCHIO

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WORK EXPERIENCE

Agile Developer, Intern | SAP (Analytics Cloud) | May 2019 - present

- Utilizing Jira-based Agile processes with 2 senior engineers to implement multilingual capabilities for 32 languages.
- Building a highly scalable front-end administrator page with JavaScript web framework SAPUI5 by integrating MVC design patterns.
- Developing API endpoints to store and retrieve translation data in a PostgreSQL database, leading to a reduction in REST calls by 50%.

PERSONAL PROJECTS

SAP Ariba Consultant Handbook | SAP Internal Project | Jun 2019 - present

- Developing cloud-based web application with a team of 3 interns under Ariba stakeholders to be used globally by 3000 SAP consultants.
- Leveraging Smartsheet API to efficiently search for specific client information from over 2000 rows of data.
- Building and integrating a back-end Flask application into a React.js front-end to seamlessly respond to data changes and update the UI dynamically.

Tools: Python, React.js, Flask, Smartsheet API, Docker

AR Ground | <https://play.google.com/store/apps/details?id=com.choam.arground> | Dec 2018 – May 2019

- Developed an application to consume Google Poly API and retrieve resources for over 1000 user-created models.
- Integrated augmented reality library to render high-complexity models with an average time of 10 seconds or less.
- Implemented an easy to use interface to share persistent models between devices by utilizing cloud anchor points.

Tools: Android Studio, Google Volley, Google ARCore/Sceneform, Google Poly API, Google Firebase

Stay Alert | <https://play.google.com/store/apps/details?id=com.crime.emilio.stayalert> | Jan 2018 – Sep 2018

- Built an automated program which identifies the most recent crimes from 37,000 Excel records on a weekly basis.
- Set up Android notification channels to respond to over 900 geofence triggers when entering high risk areas.
- Achieved #3 trending in its category; currently has over 200 active users and 900 downloads.

Tools: Android Studio, Google Volley, Apache POI, Google Maps API, Google Cloud Firestore

LANGUAGES AND TECHNOLOGIES

Languages	Java JavaScript Python
Web	HTML5 CSS3 React.js jQuery REST SAPUI5
Database	NoSQL OracleDB PostgreSQL pgAdmin
Automation/Testing	CI Jenkins Pipeline Selenium JUnit
Other	Android Studio Git/GitHub Jira Google Cloud Platform

EDUCATION

Computer Systems Technology Diploma | British Columbia Institute of Technology | Sep 2018 – Dec 2020 (expected)

- Current GPA: 88%.
- Relevant coursework: Object-Oriented Programming, Computer Architecture, Systems Analysis and Design, Discrete Mathematics, Web Development.

Psychology Bachelor's Degree | Simon Fraser University | September 2008 – December 2012

CLIENT-SERVICE EXPERIENCE

Financial Aid Advisor/Financial Aid Assistant | Kwantlen Polytechnic University/BCIT | Jul 2013 – Aug 2018

- Determined eligibility and authorized disbursements from internal award funds and external sources.
- Provided one-on-one support to students experiencing severe financial crises.