SAMUEL CABRAL CRUZ

B. Eng. Software Engineering, B. Sc. Actuarial Science

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EXPERIENCE

Senior Software Developer I
TM1 Core Platform
Ticketmaster

August 2023 – Present   Quebec, CA

- Develop and maintain a **micro-UI integration platform**
  - Refactor dependencies injection flow
- Develop and maintain tools to **increase** development teams **productivity** and eliminate road blocks in their processes
  - Feature flag service
  - UI provisioning with k8s CRDs
  - Pulumi configuration resolution library
- Drive the **adoption** of **cutting-edge technologies**

- **Support ~150 developers** across multiple development teams to facilitate their integration with the platform and the tools
- **Influence** development teams **designs and architectural decisions**
- **Monitor provided services** usage and adoption
- **Define coding standards** for development teams
- Document and communicate **development good practices**
- Participate to **on-call support** for all **development and production environments**

Software Developer
Ingeno

June 2020 – August 2023   Quebec, CA

- Contribute to various **development projects**:
  - Marketing analytics application for an event management platform
  - POSs integration facade for an online food ordering and delivery platform
  - Smart objects life cycle management platform
  - Commercial and residential condos building service management platform
  - Surgeries scheduling optimization UI

  - Core domain of an advertisement placement optimization company
- Produce **technical audits**
- Manage **client interactions**
- Create and maintain **templates** to simplify **project configuration**
- **Supervise students** in their bachelor project
- Participate to **recruiting process**

Software Developer
DashThis

May 2019 – June 2020   Quebec, CA

- **Maintain** a **dashboard creation platform** to track performance of **online advertising campaigns**
- Participate to **product design workshops**
- **Ensure quality of weekly releases** (**Manual Testing**)

- Instrument the application to **analyze users' behavior**
- Manage the integration of **different code base versions inside the same monolith**
- **Refactor legacy code when needed**

Software Developer - Intern
XpertSea

January 2019 – May 2019   Quebec, CA

- **Refactor business' administration platform**
- Occasionally modify the **Python backend**

- Migrate **functionalities** from **ember.js application to Polymer** (Web Components + Shadow DOM)

Actuarial Analyst
Property Ratemaking
Desjardins General Insurance Group (DGIG)

May 2013 – December 2017   Quebec, CA

- Contribute to the integration of State Farm's Canadian book of business
- Create a **conversion solution's KPIs monitoring dashboard** (`EXCEL/VBA`)
- Establish 2017 **Budget's assumptions**
- **Write scripts** to identify, extract, produce and validate the information contained in the pricing system

- Review various **segmentation and pricing models**
- **Bulk extraction** from indemnification agent notes using **NLP approaches**
- Redesign the **data extraction pipeline** used to create fraud models
- Create a SAS scripts documentation generator using `XSD`, `XML` and `XSL`

EDUCATION

Laval University
Bachelor's Degree in Software Engineering
- 📅 January 2017 – May 2020 📍 Quebec, CA
- **Minors:** International and Distinction
- **GPA:** 4.22/4.33

Norwegian University of Science and Technology (NTNU)
Master's Degree in Computer Science
- 📅 January 2018 – June 2018 📍 Trondheim, NO
- Student exchange program

Laval University
Bachelor's Degree in Actuarial Science
- 📅 September 2012 – May 2015 📍 Quebec, CA
- **GPA:** 3.96/4.33

ACHIEVEMENTS

Certifications

AWS Certified Developer – Associate	2023
Site Reliability Engineering Foundation	2023
DevOps Foundation	2023
Professional Scrum Product Owner™ I	2023
Professional Scrum with Kanban™ I	2023
Professional Scrum Developer™ I	2023
Professional Scrum Master™ I	2023
AWS Certified Cloud Practitioner	2021

Scholarships

Desjardins Excellence Scholarship	2018
Laval University Admission Scholarship	2011

Competitions

Truncated Claim Amounts Extrapolation
1st Place - Desjardins General Insurances Group — 2015
Asset-Liability Matching Optimization
1st Place - SSQ Financial Group — 2015

STRENGTHS

- Autodidact
- Business Awareness
- Disciplined
- Negociation
- Organization
- Fast Learner
- Persuasive
- Problem Solving
- Tenacious
- Hard-Working

PROJECTS

Going | ⎔   2024
```
/**
 * Go Libraries mono-repository leveraging
 * generics to offer multiple common utilities
 */
tags = ["Dependency Injection", "Mocks",
"Tests utilities", "Error Handling",
"Expectations Builder"]
```

Commit Bucket Deploy (CBD) | ⎔   2021
```
/**
 * GitHub Action to deploy static websites
 * within pull requests' life cycle
 */
tags = ["GitHub Actions", "Bash/Shell",
"AWS CDK", "TypeScript", "UI", "Static Website",
"Pull Requests",  "Code Reviews"]
```

Free Code Coverage | ⎔ | 🛒   2021
```
/**
 * About GitHub Action to enforce code
 * coverage maintenance on pull requests
 */
tags = ["GitHub Actions", "Bash/Shell",
"Code Coverage", "Pull Requests",
"Code Reviews"]
```

Unversolved Review Threads | ⎔ | 🛒   2021
```
/**
 * GitHub Action to block pull requests with
 * unresolved review threads
 */
tags = ["GitHub Actions", "TypeScript", "Jest",
"Pull Requests",  "Code Reviews"]
```

RaftmanCG | 🌐   2019
```
/**
 * University Projects Delivery Platform
 * Features:
 * – Project Statements Publication
 * – Delivery Management
 * – Feedback on Delivery
 * – Correction Automation
 * – Team Management
 * – Deliveries Archive
 * – Reviews/Results Publication
 */
tags = ["Ruby on Rails", "Active Record",
"RSpec", "minitest", "Rake", "Docker",
"Digital Ocean"]
```