

# Sadrudin Hashmani

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## Profile

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An emotive aspiring engineer with a passion to work with people and tools, and a determination to lead using a multidisciplinary approach with proven technical and management abilities

## Education

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Candidate for BAsC in Systems Design Engineering (2018), University of Waterloo, President's Scholarship

## Skills

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**Languages:** Go, Python, Java, C++, SQL, JavaScript, Ruby, MATLAB, Bash, HTML, CSS

**Technologies:** Flask, PostgreSQL, MySQL, MongoDB, AWS, Docker, Ember.js, Pandas, RabbitMQ, Swagger

**Methodologies & Protocols:** REST, JWT, OAuth2, Agile, Lean Startup, Iterative Design, MVC

## Professional Experience

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### Software Developer, Mira, San Francisco, CA

May 2017 – Aug 2017

- Designed and developed a new backend platform in Go using Echo, AWS, SQLBoiler and PostgreSQL, improving backend API performance by up to 6x in benchmarks
- Implemented a time-based stateless resource authentication mechanism using JavaScript Web Tokens (JWTs)

### Software Developer, FreshBooks, Toronto, ON

Sept 2016 – Dec 2016

- Built integrations for Google, Fundbox and GoDaddy by architecting scalable RESTful APIs using Flask and SQLAlchemy, and creating user registration workflows with Ember.js
- Implemented OAuth2-based authentication to enhance API security with Doorkeeper

### Software Developer, Gluskin Sheff + Associates, Toronto, ON

Dec 2015 – Apr 2016

- Designed and developed a Python desktop application to track periodic portfolio performance using Pandas, Tkinter, SQL and the Bloomberg API
- Created in-depth portfolio analysis tools using Pandas and matplotlib to make data-driven decisions

### Software Developer, Seeq, Seattle, WA

May 2015 – Aug 2015

- Expanded Seeq's RESTful APIs by building CRUD operations in Java using JAX-RS annotations
- Developed Python scripts to auto-generate client SDKs in Java, Python and C# using Swagger

### Software Engineer in Test, Zynga, Toronto, ON

Aug 2014 – Dec 2014

- Developed automated test plans for Android devices using adb and ImageMagick in Bash

## Relevant Projects

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### Real Estate Tracker

Mar 2017 – Apr 2017

Developed the backend platform for an Android application that enables individuals to search for real estate investment opportunities using Go, Gin, Firebase, and the Zoopla, Facebook and Google Maps APIs

### RiskBot, Winner of Best BlackRock Hack, MHacks 8

Oct 2016

Built a Facebook Messenger bot that helps investors stress test portfolios using Python, MongoDB, Heroku, LUIS and the BlackRock Aladdin API

### Instabuy, Winner of Best VISA Hack, MHacks: Refractor

Feb 2016

Developed an eCommerce web application that alerts consumers when product prices drop below preset margins using Flask, AngularJS and the Twilio, VISA, Capital One and Target APIs

### PriceAlert, Winner of Best Bloomberg Hack, Hack the North II

Sept 2015

Created a financial web application that alerts investors when index prices meet input criteria using Flask and the Bloomberg, Highcharts and Twilio APIs