

Mona Ghassemi

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TECHNICAL SKILLS

Languages:

Human:

- English (native)
- French (proficient)
- Farsi/Persian (native)

Machine:

- Javascript
- Java
- Python
- Bash (shell script)
- Ruby on Rails

Automation:

Infrastructure and CI:

- AWS
- Terraform
- Github Actions
- Bitbucket Pipelines

Testing Tools:

- K6
- Appium / Selenium
- WebdriverIO
- Cucumber / BDD
- RSpec
- Postman (scripting)

Backend:

- MySQL, PostgreSQL
- REST & GraphQL

FE Development:

- HTML5 / CSS
- React.js

Tools of the Trade:

- Git
- Linux / Terminal
- VSCode

WORK EXPERIENCE

DevOps / Site Reliability Engineer

Internal Projects @ AlleyCorp Nord (Montreal, QC) Jan 2022 - Present

- Researched implementation of privacy-preserving LLM-based tooling.
- Assembled and tested robotics parts; worked with Viam Robotics' SDK.
- Experimented on ChatGPT's capability at engineering interview tests.
- Wrote blog posts and delivered talks on research results.

Capable Health via AlleyCorp Nord (Montreal, QC) May 2022 - Jan 2023

- Automated AWS infrastructure and implemented security controls through Terraform, resulting in achievement of SOC2 type 2 certification.
- Secured infrastructure through implementation of linting and static analysis tools in CI and in shared developer environments.
- Led research, documentation, and implementation of an e2e test framework using Terraform and Datadog Synthetics.
- Designed, implemented, ran, and created reports for load tests with K6.
- Managed DNS and http redirects through Cloudflare.
- Automated database seeding for test environments (Ruby on Rails).

Lead Quality Assurance Engineer

Rally.io via AC781 (Montreal, QC) Apr 2020 - May 2022

- Implemented API test framework (JS: REST/GraphQL) with Github Actions triggers for microservice release workflows.
- Implemented e2e test frameworks for web/mobile applications (WebdriverIO: Appium/Selenium, Browserstack integration).
- Managed release testing process and release schedule.
- Implemented process improvements through retrospectives, post-mortems and inter-team communication.
- Performed acceptance and stress testing of various products.

Quality Assurance Developer

Workjam, Inc. (Montreal, QC) Jan 2019 - Apr 2020

- Implemented e2e testing framework in Javascript / CucumberJS with REST API calls for data creation, Appium/WebdriverIO, SauceLabs integration, and slack hooks for result reporting.
- Implemented front-end mobile tests.
- On-boarded test developers and mentored an intern.

Quality Assurance and Support Specialist

Peerio Technologies (Montreal, QC) Oct 2018 - Dec 2018

- Performed manual software feature testing and regression testing on desktop and mobile platforms.
- Wrote and implemented automated test scenarios (cucumberJS).
- Communicated with devs and users to resolve issues and fix bugs.

LEADERSHIP AND MANAGEMENT EXPERIENCE

Code of Conduct Committee Lead

NorthSec (Montreal, Quebec)

June 2023 - Present

- Contributed continual updates and improvements to the Code of Conduct.
- Followed up on incident reports.

Vice President of the Board of Directors

Iranian-Canadian Congress (Canada)

Apr 2023 - Present

- Contributed to high-level decision-making, including chairing committees and developing projects.
- Coordinated collaborations with like-minded organizations.

Volunteer: Logistics; Training Moderator; Diversity Program Selection Committee

NorthSec (Montreal, Quebec)

May 2023, March - May 2021

- Assisted in gaffing and dressing of stage, serving food, and cleanup for an event with hundreds of attendees.
- Moderated a workshop hosted on Zoom (assisted trainer in addressing questions).
- Selected winning participants among applicants to the Diversity Outreach program.

President of the Board of Directors

QPIRG Concordia (Montreal, QC)

Oct 2019-Oct 2021

- Participated in board meetings and collective decision-making related to the organization.
- Served on hiring committees and made decisions regarding funding allocations.

Medical Camp Coordinator and Tutor

McGill University Computer Science Summer Camp (Montreal, QC)

Summers 2010-2014

- Delivered a lesson on Java and coached camp participants during programming activities.
- Coordinated a small team to ensure the smooth running of the biology section of the camp.

EDUCATION

Master of Arts: Social and Cultural Anthropology

Concordia University (Montreal, QC)

2015-2017

- Thesis: *Reproducing The Virginity Imperative:*

Women's Collusion and Men's Complicity Among Young Iranians Living in Montreal

- Concordia Conference and Exposition Award 2017
- Carrie Boucock Memorial Award (Concordia Department of Sociology and Anthropology) 2017
- Teaching Assistantship (Introduction to Sociocultural Anthropology) 2016-2017

Bachelor of Science: Computer Science and Biology

McGill University (Montreal, QC)

2009-2014

- Teaching Assistantship (Introduction to Computing) 2010-2012

ADDITIONAL EDUCATION AND TRAINING

Certified Cloud Practitioner

Amazon Web Services

April 2023

AWS Cloud Quest: Cloud Practitioner

Amazon Web Services

March 2023

Mastering Container Security

NorthSec (Montreal, Quebec)

May 2020

Peer Support and Advocacy Training

Centre for Gender Advocacy (Montreal, Quebec)

2017-2018

Leadership Certificate

French Language Workshops - Level 5

GradProSkills, Concordia University (Montreal, Quebec)

2017-2018