

# Mona Ghassemi

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Motivated professional seeking employment in DevOps, Cybersecurity, or Software Development

## TECHNICAL SKILLS

### Languages:

Human:

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

Machine:

- (Java|Type)script
- Bash (shell script)
- Java
- Python

### Operating Systems:

- Linux (terminal)
- MacOS

### Automation:

Infrastructure and CI:

- AWS
- Terraform
- Github Actions
- Bitbucket Pipelines

Containerization:

- Docker
- Kubernetes

Testing Tools:

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

### Security Knowledge:

- OWASP Top 10
- pgp/rsa encryption
- SFTP

### Backend:

- MySQL, PostgreSQL
- REST & GraphQL
- Hasura

### FE Development:

- HTML5 / CSS
- React.js

## WORK EXPERIENCE:

### Software Developer *Vori Health (Montreal, QC)*

*Dec 2023 - Present*

- Reduced onboarding time for customer SFTP server configuration from two weeks to five minutes with new tooling (AWS SAM and Typescript).
- Improved security posture by addressing pentesting and scanning reports.
- Automated dataOps workflows using AWS (SAM, lambda, s3, sqs), Docker, Typescript, bash, gnupg, GitHub Actions, as well as Couchdrop.
- Implemented improvements to Terraform infrastructure configuration, such as integration of precommit hooks (tflint), configuration scanning (trivy), CI/CD (GitHub Actions), and improvement on authentication mechanism (direnv).
- Performed regular maintenance, major updates and refactors, to address long-standing bugs and modularized code using DRY principles.
- Implemented preview environments for testing (AWS Amplify, Cloudflare).
- Contributed to backend and database code (NodeJS/PostgreSQL/Hasura).
- Acted in a customer-facing capacity to technically assist business partners.

### DevOps SRE

#### *Internal Projects @ AlleyCorp Nord (Montreal, QC)*

*Jan 2023 - Nov 2023*

- Implemented a POC 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.
- Participated in Business Continuity and Disaster Recovery efforts by reviewing plans and participating in tabletop exercises.
- Automated database seeding for test environments (RSpec, Ruby on Rails).

### Lead Quality Assurance Developer

#### *Rally.io via AC781 (now Embarq) (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.
- On-boarded a backend Quality Assurance Developer and delegated tasks.

## **Quality Assurance Developer and Support Specialist**

Workjam, Inc. (Montreal, QC)

Jan 2019 - Apr 2020

Peerio Technologies (Montreal, QC) – acquired by Workjam, Inc.

Oct 2018 - Dec 2018

- Implemented e2e testing mobile (iOS/Android) framework in Javascript / CucumberJS with REST API calls for data creation, Appium/WebdriverIO, Saucelabs integration, and slack hooks for reporting.
- Championed the resolution of security issues as a “security ninja”.
- On-boarded test developers and mentored an intern.
- Performed smoke testing, feature testing and regression testing on desktop and mobile platforms.
- Communicated with developers and users to resolve issues and fix bugs.

## **LEADERSHIP AND MANAGEMENT EXPERIENCE:**

NorthSec (Montreal, Quebec)

### **Infrastructure Team Member**

April 2024 - Present

- Contributed to Terraform automation and infrastructure maintenance.
- Participated in set-up and tear-down of wifi access points provisioning a 3-day 700-person on-site CTF.

### **Code of Conduct Committee Lead**

June 2023 - Present

- Contributed continual improvements to the Code of Conduct and followed up on incident reports.
- Instantiated a Code of Conduct Committee to delegate responsibility and facilitate discussion of CoC.
- Trained event volunteers to properly address incidents in Code of Conduct “first response”.

### **Volunteer: logistics**

March - May 2021, May 2023

- Assisted in stage dressing, setup, teardown, and food distribution for an event with hundreds of attendees.
- Moderated a workshop hosted on Zoom (assisted trainer in addressing questions).
- Selected winning participants among applicants as a member of the Diversity Program Selection Committee.

Iranian-Canadian Congress (Canada)

### **President of the Board of Directors**

May 2025 - Present

- Represented the organization for media requests and webinar presentations.
- Chaired regular board meetings, preparing agenda points and delegating follow-up actions.

### **Vice President of the Board of Directors**

Apr 2023 - Apr 2025

- Contributed to chairing committees, developing projects, and drafting key statements.
- Represented the organization and coordinated contributions to Canada’s Public Inquiry into Foreign Interference.
- Coordinated collaborations with like-minded organizations and organized volunteers.

QPIRG Concordia (Montreal, QC)

### **President of the Board of Directors**

Oct 2019 - Oct 2021

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

## **EDUCATION**

### **Master of Arts: Social and Cultural Anthropology**

Concordia University (Montreal, QC)

2015-2017

### **Bachelor of Science: Computer Science and Biology**

McGill University (Montreal, QC)

2009-2014

## **ADDITIONAL EDUCATION AND TRAINING:**

### **French Course: Writing level 10, Oral level 8**

FBDM through AlleyCorp Nord (Montreal, Quebec)

July-November 2023

### **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