

# Mohamed Moustafa

## Software Engineer

([updated at resume.fairewinds.ca](https://resume.fairewinds.ca))

 <https://fairewinds.ca>

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### SUMMARY

I'm a full-stack software engineer with 6 years of experience in SaaS-based platforms. I specialize in design systems and web accessibility. I also have experience leading projects and cross-team initiatives. In my free time I play music, read, and work on coding projects.

### SKILLS

UI frameworks	Design systems	WCAG 2.0/2.1 accessibility
Microservice architecture	API design and development	Containerised deployment

### TECH STACK

Javascript / Vue.js	Ruby / Ruby on Rails	HTML / CSS / SCSS
Docker / Kubernetes	MySQL / PostgreSQL	AWS

## WORK EXPERIENCE

### SENIOR BACK-END ENGINEER

**MARCH 2022 - CURRENT**

**Livestorm**

Paris, France (Remote)

- Worked with Infrastructure team to set up new "Job Manager" microservice using AWS, Kubernetes, and Terraform.
- Maintained, refactored, and documented public-facing API layers in a cross-discipline (design, product, development) team setting, using Ruby on Rails and Swagger.
- Implemented new features for the application dashboard UI, using Vue.js, GraphQL and Apollo.

### SOFTWARE DEVELOPER

**AUGUST 2021 - FEBRUARY  
2022**

**Springest (now Studytube)**

Amsterdam, Netherlands

- Led research and construction of a proof-of-concept for containerizing a monolithic application into Docker.
- Implemented and maintained core features with a full-stack scope in Ruby on Rails and Vue.js.
- Acted as a mentor for a project to refactor core "Course Listing" back-end model design.

## SOFTWARE DEVELOPER

APRIL 2017 - JULY 2021

Vidyard

Kitchener, Ontario, Canada

- Helped implement and maintain internal design system using Vue.js. The design system is used across all front-end services in the platform.
- Guild lead of internal design system. The guild (working group) consisted of 6+ engineers, designers, and QAs, and governed future goals and maintainership.
- Maintainer of key platform services, primarily using Ruby on Rails and Vue.js. Responsible for code reviews, refactoring and bugfixing, deploys, and mentorship.
- Responsible for upgrading major and most-trafficked parts of the platform to WCAG AA 2.0 accessibility standards.
- Mentored co-workers on how to develop for accessibility in a technical and design capacity.
- Led a project to create a new search feature. Refactored RESTful API endpoints and improved the existing Elasticsearch implementation.
- Refactored a stand-alone microservice to use Docker, Kubernetes, Skaffold, and OAuth, in order to integrate it into our development environment.
- Improved Vidyard Chrome Extension features and UI, using React.js.

*Full work experience available on [LinkedIn](#)*

## EDUCATION

### UNIVERSITY OF WATERLOO

2011 - 2016

Waterloo, Ontario, Canada

BASc. with Honours, Computer Engineering, Co-operative (Internship) Program

#### Relevant Courses

- Operating Systems and Systems Programming
- Cooperative and Adaptive Algorithms
- Fundamentals of Computational Intelligence

## CONFERENCES

- VueConf Toronto (2019, 2020)
- #a11yTO - Accessibility Toronto (2019)
- University of Guelph Accessibility Conference (2018, 2019)

## INTERESTS

### LANGUAGES

English  
(native)

Arabic  
(native)

German  
(learning)

Dutch  
(learning)

### INTERESTS

- Former member of diversity+inclusion & wellness committees.
- Former volunteer at community initiatives in Ontario, Canada.
- I build and maintain small coding projects, including a sync tool between financial tools, running Minecraft in Docker, and a crochet project tracker.
- I play the guitar, bass and piano & experiment with music production.
- I like to read sci-fi and personal development books.