Hamzah Mansour

full-stack software engineer of 4 years — ⚲ Vancouver, BC

⟨/⟩ Technical Skills

Languages: JavaScript, TypeScript, Ruby, Elixir, Postgres
Frameworks: React, Nextjs, Node, Ruby on Rails, Rendr, Angular
Testing Frameworks: Jest, Rspec, ExUnit, Nightwatch, TestCafe
DevOps: Docker, CircleCI, NewRelic, AWS (Lambda, EKS, S3)
Interests: a11y, i18n, FOSS, Linux, PC gaming, Web APIs

📇 Contact

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💼 Experience

change.org, Full-stack Software Engineer III, Growth *Apr. 2020 – Sep. 2022*

- Worked with a diverse set of teams, codebases, and technologies to develop new features and run experiments, increasing campaign success, user engagement, petition signing, sharing, and revenue.
- Was part of founding the first growth team at change.org which developed experimentation and feature rollout infrastructure, enabling the formation of other growth teams company-wide.
- Maintained, migrated, and set up scalable back-end microservices and APIs using Ruby on Rails and Elixir. Developed front-end features on high-traffic pages with React and TypeScript.
- Engaged in product ideation and research with designers and other engineers to improve the platform's growth loops, user satisfaction, accessibility, and meet the needs of the campaigners and community on change.org.
- Led major projects after conducting initial research and breaking features down into planned and manageable tasks, such as petition collaboration features (teams), new communication channels like SMS and WhatsApp, and progressive web app (PWA) support.

change.org, Full-stack Software Developer Co-op, Revenue *Sep. 2019 – Dec. 2019*

- Increased user-generated revenue, conversion, and retention by implementing features on Memberships & Promotions products, such as adding Apple Pay support and running petition promotion flow experiments.
- Refined successful experiments into performant, tested product features on a platform with 400 million users.
- Created an internal tool to automate offsite ad campaign creation using React, Ruby on Rails, and the Meta Business Suite API, unlocking a new avenue for growth experimentation.
- Increased team productivity and visibility by creating real-time dashboards tracking team and revenue metrics using Ruby, CoffeeScript, and APIs from GitHub, Atlassian, and Amplitude.

Government of Canada, Natural Resources Canada, Software Developer Co-op *Jan. 2018 – Apr. 2018*

- Worked closely with scientists and professionals to develop a guide for publishing data to open data catalogues and building map web services.
- Developed interactive mapping applications using MapServer and GeoServer as examples.
- Created a comprehensive user guide with Markdown/CSS, including code samples and template files.

Wurldtech Security Technologies, GE Digital, Front-end Developer Co-op *Sep. 2016 – Apr. 2017*

- Developed features and resolved bugs to improve the admin interface of a next-generation firewall (NGFW).
- Wrote unit, component, and system-integration tests while monitoring and reporting on daily test results.
- Developed an internal UI test framework while documenting and mocking the middleware and back-end behaviour of the NGFW.

🎓 Education

University of Victoria, Bachelor of Software Engineering *Graduated 2020*

Coursework in operating systems, human-computer interaction, control theory and systems, computer communications and networks, digital signal processing, digital video processing, and database systems.