

Robin Millette

Full-stack web developer (backend oriented)
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Professional Summary

Full-stack web developer (backend oriented) with over 38 years of software development experience, specializing in backend solutions using Node.js, TypeScript, PostgreSQL, and cloud deployment. Expert in API design, microservices architecture, test automation, and scalable application development. Proven ability to deliver robust and maintainable systems in collaboration with multidisciplinary teams.

Key Skills

Backend Bun, Node.js, TypeScript, PHP, Laravel, Ruby on Rails, PostgreSQL, MySQL, MongoDB, CouchDB, REST API, GraphQL, microservices, authentication (JWT, OAuth2), automated tests (Jest, Vitest, Mocha)

Frontend Solid.js, React, Vue.js, Svelte, AstroJS, TailwindCSS, DaisyUI, HTML5, CSS3, responsive design, UX/UI

DevOps & Tools Git, GitHub, GitLab, Docker, Linux, Caddy, Nginx, CI/CD (GitHub Actions), Vercel, DigitalOcean, Webpack, Vite

Methodologies Agile, Scrum, Kanban, Clean Code, SOLID principles, code review, mentoring

Professional Experience

Ix Média — Full-stack Developer

From *December 2024* to *July 2025*

- Backend development in TypeScript with unit tests for the La Cantine pour Tous project.
- Responsive and high-performance frontend developed in Svelte.
- Support and maintenance for client applications in PHP/Laravel and Ruby/Ruby on Rails.
- Collaboration with client teams to ensure quality, performance, and scalability.
- Database management and performance optimization using CI/CD processes.

Waglo Labs — Software Developer

From *June 1987* to present

- Delivery of full-stack web and software solutions across various domains.
- Design and support of backend services in Node.js, TypeScript, and PostgreSQL.
- Co-authoring a web development course for TÉLUQ, providing technical and pedagogical expertise.
- Creation and maintenance of platforms such as Micro Séduction and tools for adult education.
- Use of modern frontend frameworks like React, SolidJS, and AstroJS with TailwindCSS.
- Design and development of a micro-credential project for the Institute of Cooperation for Adult Education (ICEA).

Polytechnique Montréal — Mobility Chair — Full-stack Developer

From *Juillet 2023* to *April 2024*

- Development and contribution to open-source platforms dedicated to sustainable mobility using Node.js and React.
- Performance and feature optimization with Webpack and CI/CD.

Character Creator — Full-stack Developer

From *Juillet 2018* to *February 2022*

- Development of client and server tools with JavaScript and CouchDB.
- Enhanced user interface and seamless backend integration.

FIXRS — Web Developer

From *December 2020* to *February 2021*

- Implementation of front-end features with Vue.js and React, integrating with backend APIs.

RoLLodeQc — Founder & Developer

From *March 2015* to *March 2020*

- Creation and management of a platform bringing together the open-source community, companies, and developers in Quebec.

Education

30 years ago, at Cégep de Rosemont, I studied as an analyst programmer, and in 2009, I participated in designing a social web course (**INF 6107**) for TÉLUQ. I contributed to research work for UQAM with Simon Plouffe and the University of Montreal with James M. Turner. I am also thanked by at least five colleagues in their doctoral theses.

Free Software

I have contributed to over **500 projects on GitHub**. I've been adapting free software since 1995; when I encounter a bug, I quickly fix it and send the upstream patch.

Volunteering

JIDO I organized the **Journée internationale des données ouvertes** (International Day for Open Data) in Montreal in 2018.

FACIL I was one of the founders of ***FACIL, pour l'appropriation collective de l'informatique libre** (FACIL, for collective appropriation of free software) in 2003, and remained involved until 2007, often as president.

SQIL I initiated the **Semaine québécoise de l'informatique libre** (Quebec Free Software Week) in 2004 and led it until 2007, with activities in 30 Quebec cities.

Copyright and You I organized an event featuring Richard Stallman from the **Free Software Foundation** and Marcus Bornfreund for **Creative Commons Canada** attracting over 300 attendees in 2005.

Languages French (native), English (bilingual).

My résumé: <https://robin.millette.info/en/resume.pdf>