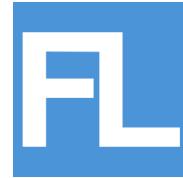# François Lavigne

Saint-Jérôme (QC) - Remote Québec / Canada
francois@francoislavigne.com  - 450-675-2665

## Professional Profile

Senior Web Developer with over 25 years of experience working on a wide range of complex web projects. Strong expertise in technical problem-solving, full-stack web development (back-end and front-end), internal tools, system optimization, and designing robust, scalable solutions.

Over the past year, I have focused extensively on applied AI for software development, researching and experimenting with ways to significantly increase developer productivity. I am committed to staying at the cutting edge of AI-assisted development practices.

My main programming experience is in PHP, Node.js, JavaScript, and React, with additional project experience in Python, Java, and C#. I also have some exposure to C++, Visual Basic, Assembly, and Lua.

## Skills

### Backend & Front-end
- PHP, Node.js, APIs
- HTML, CSS, JavaScript
- React

### Cloud & Infrastructure
- Apache, nginx
- AWS: Lambda, API Gateway, RDS, DynamoDB, S3, IAM, CloudWatch, CloudFormation
- Jenkins

### Quality & Reliability
- MVC architecture

- Clean Code
- Test-Driven Development (TDD)
- Design patterns
- Observability, monitoring, alerting

### Applied AI for Development
- GitHub Copilot, Windsurf, Claude Code
- Accelerating development and refactoring complex codebases
- Productivity gains of up to 10× on some projects
- Techniques for effectively using AI on large legacy codebases

## Professional Experience

**Seedbox — Backend Developer** (*2020 – present*)
- Development and maintenance of high-traffic video streaming platforms and all related systems
- Design and deployment of serverless services on AWS (Lambda, API Gateway)
- Work across multiple PHP platforms:
- Internal CMS
- APIs
- Support and billing systems
- Internal tools and developer tools
- Access control systems (ACLs)

- Affiliate management system
- Jenkins automation
- Front-end development using JavaScript and React
- Active participation in technical decision-making and continuous improvement
- Extensive research and experimentation with AI-assisted development tools, significantly improving delivery speed and code quality

**Erod — Web Developer** 2019 – 2020
- Development of numerous WordPress websites for corporate clients
- Creation of custom WordPress plugins
- Server and infrastructure management

**Codems — Full-Stack Web Developer** 2018
- Development of WordPress websites for businesses
- Design of an e-commerce system with recurring payments and a referral program
- Development of a WYSIWYG website builder for the Chambre des Notaires
- Automation of marketing reporting via APIs, reducing turnaround time from 1 week to 2 days

**Imaginus — Partner, Lead Developer & Network Administrator** 2011 – 2017
- Technical lead and architect of a proprietary CMS
- Full ownership of the codebase and automation of development workflows
- Delivery of 200+ websites
- Management of infrastructure, security, and servers

## Earlier Experience
- **EGP Technovirtuel — Web Integrator** (2010)
- **Freelancer** (2010 – 2018)
- **Cloudraker — Web Developer** (2007 – 2018)

## Education

- **DEC en Techniques d'Intégration du Multimédia** Cégep de Saint-Jérôme (2004 – 2007)
- **Études en Techniques Informatique (Cyber@s)** Cégep de Saint-Jérôme (2000 – 2002)