

Accomplished senior web developer with over 20 years' experience. I have built modules for consuming microservices and data mining/manipulation, worked on website responsive designs, and am currently creating a computer language for music called Orfeo. I am a dedicated professional with a love of learning and a deep passion for problem solving. My focus is on Raku, Javascript/Node.js, React, Vue, MySQL, HTML, and CSS.

### Skills

<b>Coding</b>	Raku, Javascript/Node.js, React, Vue, MySQL, HTML, CSS Bulma, PHP, Laravel, Kohana, Max, Arduino
<b>Tools</b>	Git, VSCode, Photoshop, Illustrator, Gimp, Inkscape
<b>Languages</b>	French, English, Indonesian

### Work

#### Senior Application Developer

Smith

smithcommerce.com

2021 - 2022

- Coached and mentored junior developers.
- Worked on Vue and Angular applications.
- Fully redesigned an App using highly modern CSS.
- Planned and built new app sections.
- Worked with managers and designers to solve complex problems.

#### Full-Stack Developer

Freelance

1997 - 2021

- Created websites for various clients in many different industries.
- Implemented interactive maps using Google's Maps Platform.
- Designed and implemented database solutions in MySQL.
- Used the frameworks AdonisJS, CodeIgniter, Kohana, and Laravel.
- Built front-ends using React and Vue.

#### Full-Stack Developer

Opéra Vox Populi

concertsvoxpathuli.com

2015 - 2018

- Maintained Wordpress and Joomla based websites.
- Migrated from Joomla to Wordpress.
- Created complex HTML forms for ticket purchasing.
- Edited photos and banner images using Photoshop.

#### Front-End Developer

Internet Go School

internetgoschool.com

2016 - 2017

- Implemented new application features in JavaScript.
- Built a landscape to portrait mode responsive interface.
- Implemented a new feature-full subscription model.
- Fixed various bugs in JavaScript, HTML, and CSS.

#### Full-Stack Developer

Dewana Bali Tours

2011 - 2016

- Created and maintained the website for Dewana Bali Tours.
- Hand-coded JavaScript, HTML, and CSS for optimal speed.
- Edited photos and created an image gallery with jQuery.
- Created a travel registration system.

#### Front-End Developer

Foxy Cart

foxy.io

2010

- Designed and implemented complex dynamic HTML forms.
- Refactored a large PHP class to use a newer version of PHP.
- Created a PSR-4 PHP class to consume FoxyCart's API.
- Fixed various HTML and PHP bugs.



pelevesque.com



github.com/pelevesque



npmjs.com/~pelevesque



linkedin.com/in/pelevesque

## Projects

### Orfeo Programming Language

Designer and Programmer

orfeo.org

2019 - Present

Orfeo is a domain-specific programming language that I have been designing and implementing since 2019. It is useful for various aspects of music making like composing, synthesizer control, scoring, etc. and can also be used for other time related fields like light shows or robotic movement control. Orfeo has become my main project and touches on various areas of programming:

- The compiler is written in Node.js.
- Syntax highlighters were programmed for Atom, Prism, Vim and VSCode.
- An audio engine in Max plays different oscillators controlled by Orfeo.
- Documentation is written using docsify.

### NPM modules

Designer and Programmer

2015 - Present

Over the last five years, I have written an extensive collection of over 60 NPM modules useful for a wide range of applications like:

- Common utilities.
- Algorithms to aid music composition.
- Algorithms for the game of go: board drawing, position analysis, etc.

### Interlocking Rhythms

Designer and Composer

2015

Interlocking Rhythms is an Arduino based sound installation using woodblocks actuated by solenoids presented at AxeNéo7. It is being updated with a new PCB board controlled by Orfeo. It consists of:

- An electronic circuit used to control electromagnetic solenoids.
- Arduino flavored C code that accepts either MIDI or Orfeo as input.

### Music for Pieces of Metal

Musical Director and composer

2015 - Present

Music for Pieces of Metal is a series of five musical compositions I started in 2015. The pieces are all based on Music for Pieces of Wood by Steve Reich and are written for five different Indonesian balinese gamelan ensembles. In 2017, I led a group of nine balinese musicians to record these five pieces, and I am now planning to edit, mix, master, and release the album in late 2021.

## Music Groups

1997 - 2004

Gamelan Giri Kedaton

Université de Montréal

## Talks

2020

Orfeo: A Programming Language for Music

Universität Mozarteum Salzburg

## Education

1998 - 2001

Master of Music - Composition

Université de Montréal

1996 - 1998

Bachelor of Music - Classical Guitar Performance

Université de Montréal

1994 - 1996

Bachelor of Music - Classical Guitar Performance

Université de Moncton