

## EMAIL

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## MOBILE

778-988-5570

## HOME

Vancouver, BC

# David VanDusen

[linkedin.com/in/davidvandusen](https://www.linkedin.com/in/davidvandusen)

Self-taught polyglot programmer building web apps since 1999.  
Sees knowledge discovery as the next great computing challenge.  
Always excited to mentor new developers.

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## EXPERIENCE

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### SENIOR INSTRUCTOR

Lighthouse Labs  
Vancouver, BC  
*Jan 2015–Present*

Taught over 500 new devs current best practices while also building internal tools to ensure the success of this growing startup using **JavaScript**, **Ruby** and **React**.

- Built an automated self-assessment system with a robust data model that integrates with the Learning Management System to assist students in identifying gaps in their knowledge.
- Supported company expansion by implementing video and other distance education features in the **Ruby on Rails** based LMS allowing the company to open in 4 new cities.
- Created the CMS, authorship guidelines and learning outcomes framework for a major revision of the curriculum to ensure that the school teaches industry relevant technologies.
- Reduced dropped and missed shifts by creating a systems integration that emails ICS files from the scheduling system using **Node.js** and **Google APIs**.

### SOLUTION ARCHITECT

CI Technologies  
Vancouver, BC  
*Jan 2012–Oct 2014*

Led this company's efforts to innovate their tech stack by engineering products using modern enterprise OSS technologies including **Java**, **PostgreSQL** and **Backbone.js**.

- Architected a robust service layer using **Hibernate** tested with **JUnit** to rewrite the company's flagship Windows program as an SPA with a Java web API.
- Built a new product from the ground up using **Spring Framework** to allow the company to break into the HR software market.
- Mentored new and existing developers in the company to ensure the long-term success of the new products.
- Maintained the company's existing **C#.NET** products and administered IIS and Apache servers, DNS, and installations of internal applications.
- Configured continuous integration pipelines for QA using Jenkins.

### SOFTWARE DEVELOPER

Independent Consultant  
Metro Vancouver, BC  
*Feb 1999–Dec 2011*

Worked as a solo dev creating software products for small and medium businesses that continue to be used for internal and public facing applications more than 10 years later.

- Built apps from the ground up including database design, API design, HTML, CSS and JavaScript plus server administration and deployment.
- Leveraged and contributed to open source projects such as plugins for WordPress, jQuery and Backbone.js.

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## EDUCATION

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SELF-DIRECTED STUDY

*Jan 1995–Ongoing*

A self-taught programmer from 10 years old, I continuously keep up with current technologies. Over my career I have amassed professional experience in Java, C#, Ruby, JavaScript, PHP and SQL. I constantly work on side projects to hone my skills.

- Share my personal research on emerging tech by creating open source repos on GitHub demonstrating the integration of technologies like React, Redux, Sass and MongoDB.
- Volunteered as the instructor for free public workshops and created educational content on topics ranging from an introduction to the Java platform to JavaScript and WebSockets.
- Recent side project, learned to read Japanese in just weeks by building a language learning application directed at my personal learning style using React and the Web Speech API.
- Recent side project, created Dungeons & Dragons battle map software using the HTML <canvas> API and procedural drawing subroutines optimised to match the art style of official D&D maps.

CERT. OF TECHNOLOGY

BCIT

*Sep 2011–May 2012*

Received a Certificate of Technology from the Software Systems Developer (Web Programmer Option) program at BCIT whose curriculum includes OOP using C# and Java, internetworking, and relational database design.