

# Sean Stobo

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## WORK EXPERIENCE

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### Forge And Smith

Vancouver, BC

#### *Lead Developer, Full Stack Web / Applied AI*

Dec 2022 - Nov 2023

- Automated over 10 hours of initial work per new website build by creating (from inception to development) a novel workflow that leverages AI to scrape Figma designs and recode it into Gutenberg script.
- Developed a Wordpress database to a 'fine-tuned' instance of Chat GPTs OpenAPI, using React and PHP, allowing non-technical people to edit Gutenberg blocks conversationally through a popup window.
- Built over 20 sites in the first semester for 2023 using React, PHP, SASS, HTML5, GraphQL, Wordpress, GraphQL, Javascript and custom Gutenberg Blocks.

### Work on Climate

Vancouver, BC

#### *Lead Web Developer (volunteer)*

Ongoing

- Built a complete website / theme for the 20,000 member strong Work on Climate community following 'sustainable coding' practices.
- Used Bootstrap, PHP, HTML, JS and SASS to create a climate friendly, accessible, responsive Wordpress theme, as well as 15 custom Gutenberg Blocks.
- Organized hosting, deployment, quality assurance checks and the web sites rollout in its entirety.

### Forge And Smith

Vancouver, BC

#### *Lead Web Developer*

Oct 2020 – Dec 2022

- Custom coded over 40 custom Gutenberg Blocks while maintaining a large PHP, SCSS, HTML codebase.
- Implemented standardization of tools and continuous training of junior developers increasing website production speed, from 20 days to under 10 days per site, by writing site building tools for the junior developers.
- Mentored a very diverse team of 3 junior developers on applied systematization when building Blocks, coding in PHP, and styling accurately, consolidating team performance. Performed code reviews, weekly planning sessions, and monthly feedback review with the juniors to empower them with the tools to succeed.
- Collaborated with UI / UX teams on over a hundred custom-build websites written in PHP, JS, and SCSS.

### Forge And Smith

Vancouver, BC

#### *Web Developer*

May 2018 - Sep 2020

- Produced pixel perfect, responsive and WCAG compliant websites, from Figma and Invision designs for over 100 clients over three years.
- Improved functionality by embedding JavaScript and SASS into web development projects.
- Collaborated in the creation and coded from the ground up an inhouse page building solution, 'Anvil Blocks'.

### Earls Restaurant Group

West Canada and East USA

#### *Progressive leadership roles*

May 2012 - Sep 2017

- Managed a business with 70 cooks and \$12M a year in sales, driving some of the highest engagement scores in the company.
- Led training and recruiting for kitchen teams containing between 20-50 employees.

- Developed systems documentation, and training protocols for cooking, cleaning, inventory management, recruitment and retention of team members.

## TECHNICAL SKILLS

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Programming Languages

Javascript, PHP, HTML, CSS, Python, Typescript, SQL, GraphQL

**WordPress:** Comprehensive knowledge of WordPress, with a specific focus on plugin development. Experience in building custom plugins to meet specific functionality needs. Most recently developed a Gutenberg live stock ticker for [Equinox Gold | The Premier Americas Gold Producer](#).

**PHP, CSS, HTML:** Five years of full-time enterprise experience in coding, QA'ing, and maintaining hundreds of websites using HTML5, CSS (SASS), and PHP. Proficient in hand-coding all aspects of a website.

**JavaScript / React / Node JS / Typescript:** Proficient in these languages, libraries, and IDEs. Five years of experience in Javascript and Node JS, three years in React, and one year in Typescript. Used React to build single page web apps, Gutenberg blocks, Wordpress Plugins and Headless Wordpress sites.

**Gutenberg Development:** Significant experience in building Gutenberg blocks using PHP and React. Over 200 custom Gutenberg developed. Prior to Gutenberg's launch, developed a custom block solution for our company's developers that reduced average site build times from 30 days to 10 days.

Frameworks/Libraries

Gutenberg, React, Next.js, Tailwind, SCSS, ACF, node.js, git, JQuery, Webpack

AI/LLM Interface

OpenAPI, Langchain, Semantic Kernel, Guidance

## PROJECTS

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**Site Sn33k**

*Python, Pinecone, Langchain, Beautiful Soup*

<https://github.com/Sstobo/Site-Sn33k>

Developed a Python toolkit, Site Sn33k, which simplifies web page data extraction, sanitization, and vectorization leading to its recognition with 80 stars on Github.

**StoryLand**

*Python / Chroma backend, Vite / React for the front end*

<https://seanstobo.com/storyland/>

A storytelling game, that allows users to 'play' their favorite novels, by vectorizing the texts they supply, and 'sprinkling' semantic search results into the gameplay loop.

## CERTIFICATIONS

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Harvard University - School of Engineering and Applied Sciences  
*CS50: Introduction to Computer Science*

Boston, MA (remote)  
Sep 2023 – on going

## EDUCATION

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Red Academy  
*Full Stack Developer Certificate Web Development*

Vancouver, BC  
May 2018