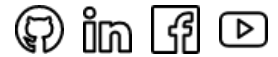


Kevin Selwyn

Software Engineer



(Full resume at <https://kevinsewyn.com/resume>)

Contact

Email: kevinsewyn@gmail.com
Website: <https://kevinsewyn.com>

Profile

Kevin has 12+ years of professional software engineering experience. He has a tenacious drive to learn and he has a passion for improving both the user and developer experience.

Personal Projects

pkmnapi

<https://github.com/pkmn-api/pkmnapi>

A Pokémon REST API that uses a Gen 1 Game Boy ROM as its data source.

Designed, documented, and implemented a RESTful API service.

Language(s):

Rust SQL

Tech:

Cargo PostgreSQL Heroku Github Actions

Nessemble

<https://github.com/kevinsewyn/nessemble>

A 6502 assembler for the Nintendo Entertainment System.

Challenges included creating a custom BNF grammar and compiling to WASM to run in the browser.

Language(s):

C Lua Scheme JavaScript WASM 6502 Assembly
Python SQL

Tech:

Flex Bison Flask Emscripten Vagrant Ubuntu Linux
GCC MinGW MSI Valgrind Splint Yarn NPM

canvas-steg

<https://github.com/kevinsewyn/canvas-steg>

Execute and embed JavaScript hidden in steganographic images.

Proof-of-concept to demonstrate how unbelievably easy it is to embed JavaScript in an image and then execute it.

Language(s):

JavaScript

Tech:

Yarn NPM Webpack

x-darksouls-y

<https://github.com/kevinsewyn/x-darksouls-y>

Twitter bot that tells you what X is the Dark Souls of.

This bot (posting exclusively to @x_darksouls_y) searches recent Tweets for the phrase "is harder than" and replaces it with "is the Dark Souls of".

Language(s):

Python

Tech:

Heroku Flask Twitter API

Employment

Capsule 2020 - present

staff software engineer

Kevin is a Staff Software Engineer/Tech Lead on the Internal Operations team.

He regularly works with stakeholders on the Product and Design teams to ensure that new product features are delivered fast and right.

Language(s):

Python PostgreSQL Kotlin Bash JavaScript
TypeScript HTML CSS SASS

Tech:

Django AWS Cognito ElastiCache Elasticsearch RDS
SQS SNS CloudWatch DynamoDB S3 React
NodeJS NPM Webpack REST Git Docker Make

Kevin also helps lead a squad of engineers to ensure solid and lasting architectural decisions are made through in-depth technical specifications and code reviews.

Jenkins CodeFresh Prometheus Grafana Loki
Terraform

Amper Music 2016 - 2020

sr. frontend engineer

Kevin worked as the sole frontend developer of Amper Music's enterprise AI music composition web app. Having inherited a legacy React codebase, 2 major versions of the application were released during his tenure including numerous minor versions.

He also worked closely with the Systems Architect/API Developer to test, document, and ultimately consume the company's public and internal web APIs.

Kevin utilized Rust to generate WebAssembly to create extremely performant mission-critical components.

Language(s):

JavaScript TypeScript HTML CSS SASS Python
Rust WASM Bash

Tech:

React NodeJS Yarn NPM Webpack Babel REST
GraphQL Git Vagrant Ubuntu Linux Cargo Make

Penguin Random House 2014 - 2016

↳ Fodors Travel, Living Language

sr. web developer

Kevin was the lead frontend web developer for Fodor's Travel and contributed greatly to Living Language.

He assisted in converting a legacy ColdFusion codebase to PHP/MySQL.

Kevin disassembled/reverse-engineered a series of Flash games and converted them to a custom JavaScript framework for maximum browser compatibility without breaking the existing API endpoints.

In addition to regular web development duties, Kevin also developed HTML emails and coordinated large, regularly scheduled email blasts.

Language(s):

JavaScript ActionScript Flash HTML CSS SASS
PHP ColdFusion SQL

Tech:

NodeJS Grunt Haxe MySQL SVN

TSL Marketing 2012 - 2014

sr. web developer

Kevin developed websites, blogs, landing pages, and HTML emails for clients in the technology sector.

He also performed SEO keyword research and optimization.

In addition to developing websites, he also trained clients on proper use, care, and customization of their website or blog through a CMS.

Not limited to digital, Kevin also aided in the fulfillment of dimensional mail campaigns (postage, shipping).

Language(s):

JavaScript HTML CSS PHP SQL

Tech:

Wordpress MySQL

Freelance 2010 - 2012

freelance web developer

Kevin created and maintained websites in a timely fashion and worked closely with clients to deliver great experiences for their users.

Language(s):

JavaScript PHP SQL

Tech:

Wordpress MySQL

Education

Shenandoah Conservatory 2006 - 2010

bachelor of fine arts in musical theatre

Urbana High School 2002 - 2006

high school diploma

Skills

Language(s):

6502 Assembly ActionScript Bash C C# ColdFusion CSS Flash HTML HTML/CSS Java JavaScript Lua PHP Python Rust SASS Scheme SQL Swift TypeScript WASM

Tech:

Adobe Creative Suite AWS Cargo EC2 Emscripten Flask GCC Git GraphQL Haxe Heroku Make MySQL NodeJS NPM React REST S3 SVN Ubuntu Linux Vagrant Webpack Wordpress Yarn

Interests

Kevin is passionate about music, The Office, The Legend of Zelda, and Corgis. He can grow a beard with great haste and loves singing and playing the guitar (poorly).