

Peter Koe

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TECHNICAL SKILLS

ES6 JavaScript, Node.js, NPM, Ruby, Ruby on Rails, React, Redux, TypeScript, HTML, CSS, Sass, AJAX, PostgreSQL, SQL, Express, MongoDB, REST API, jQuery, HTTP, AWS, Webpack, Babel, Mocha, Heroku, Github, Pair Programming, TDD, OOP

PROJECTS

DirectToConsumer Coffee / Ruby, Rails, React, Redux, PostgreSQL

[Live](#) / [GitHub](#)

Dynamic Coffee Matching Tool and Marketplace

- Engineered an algorithm to recommend coffees based on survey data, using Ruby on Rails Controllers and SQL to query and store customer preferences in a PostgreSQL database.
- Built dynamic frontend search using React component state, lifecycle methods, and OnChange event listeners to efficiently search and filter results based on 9 strategically ranked data points for each unique product.
- Automated the seeding process by using Rails active storage and AWS S3 Cloud to seed storefront imagery and backup legacy files to separate S3 database buckets in order to enhance the site's ability to scale.

Expand Learning / MongoDB, Express, React, Redux, Node.js, AWS S3

[Live](#) / [GitHub](#)

Learning platform built around empowering student-teacher interactions while studying remotely

- Led and actively managed a team of 4 remote engineers, coordinating git workflow using branching and merge reviews to ensure fast and seamless full-stack development between front-end and backend engineers.
- Integrated Multer Node.JS middleware with AWS to handle multipart form-data to develop a framework for instructors to upload lessons and video replies.
- Created a video commenting interface that stores HTML metadata to MongoDB database clusters and renders a heatmap for instructors to visualize and immediately remedy pain points in their curriculum.

TrackWave / Node.JS, Axios, Spotify APIs, HTML5 Canvas

[Live](#) / [GitHub](#)

Interactive minimalist album visualizer built on Vanilla ES6 JavaScript

- Designed and built user search functionality using JavaScript and Axios calls to leverage Spotify Web API to allow users to pull advanced track data from their complete catalog of music.
- Optimized visualization loading utilizing JavaScript asynchronicity and recursive calls to load track data.

EXPERIENCE

Associate Integrated Producer

Eleven Inc. / San Francisco, California

Jan 2019 - Feb 2020

- Led multiple cross-functional teams of 12-16 local and remote employees to simultaneously pitch, win, and produce fully integrated advertising campaigns, directing 1100+ billable hours of work every week.
- Actively built relationships and worked on a daily basis with client stakeholders, vendors, producers, strategists, editors, talent, creative directors, copywriters, art directors, designers, business directors, SEO experts, media buyers, and engineers.
- Developed the agency's content management system, providing clients with greater control of creative assets and a stronger grasp of usage timelines.

Intern Architect

Stuart Howard Architects / Vancouver, British Columbia

May 2017 - Sept 2017

- Integrated CAD models, geospatial data, and hand-drawn diagrams with GIS software, to precisely visualize site data for clients, reducing the number of revisions after each review by over 50% and accelerate design development by 4-5 days.
- Collaborated with engineers to design infrastructure solutions that adhered to newly released city environmental standards without compromising functionality or aesthetics, saving the company 2 rounds of government reviews per project.

EDUCATION

Colorado College, B.A. Art and Architectural History

2014 - 2018

App Academy, Full-Stack Software Engineering, Software Development, Computer Science

2020