

# Nick Pietrow

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**SKILLS** JavaScript, React, Redux, HTML, CSS, Ruby, Rails, Node.js, Delayed Job, GraphQL, PostgreSQL, MongoDB, AWS S3, AWS EC2, LaunchDarkly, Ansible Vault, DataDog, Jira, Linear, Webpack, npm, jQuery, Git, Docker

## EXPERIENCE

### Full-stack Engineer

*WorkRamp*, Jun 2022 - Present

- Converted Rails models to use paranoia for soft deletion and easy restoration of content and assignments which saved the support team significant time.
- Implemented an integration with Hubspot to sync user information across platforms for the marketing team to advertise new features and target customer admins.
- Built a web portal for the support team to run scripts on the AWS server such as importing and exporting user info, which was previously completed manually via console commands.
  - Created a script model to hold request info so scripts could be run asynchronously on a delayed jobs server. Designed the scripts to store any attachments in an AWS S3 bucket.
  - Engineered a separate table view for users to access all scripts, arguments, statuses, and linked files
- Developed a permissioning system within the administrative side of application to restrict access to toggling customer account settings.
  - Implemented a sync with Salesforce to maintain up-to-date job titles and customer assignments since those were used to determine access.
- Migrated the engineering team's ticket management software from Linear to Jira by creating a Ruby script with GraphQL to export and reformat ticket data

### Senior Tax Consultant

*True Partners Consulting*, Jul 2019 - Dec 2021

- Saved more than 750 consultant hours per year by designing, creating, and testing automated data analysis workflows using Alteryx and VBA
- Interviewed Directors, Managers, and Consultants to identify target areas for automation and gather user feedback on ways the workflows could be improved
- Founded Alteryx training session program to teach 100+ employees how Alteryx can be used within the firm

## PROJECTS

### The Verve

[Live Site](#) | [Github](#)

*Full-stack clone of an e-commerce site using: Rails, PostgreSQL, JavaScript, React/Redux, S3, Jbuilder, HTML5, CSS3*

- Designed a scalable database schema using a joins table for product categories to easily add new categories in the future and allow for optimized searching and filtering of products
- Connected AWS S3 to the Ruby on Rails back-end using Active Storage to create associations between products and related images for easy querying and scalability of image services
- Utilized local storage to store the state of the user's cart in the browser and persist it across a page refresh
- Validated user data through front-end and back-end authentication measures, allowing users to only vote on reviews and leave their own feedback when logged in

### Filter.io

[Live Site](#) | [GitHub](#)

*Photobooth face filter application using: JavaScript, MediaPipe FaceMesh API, jQuery, Canvas, HTML, Sass*

- Integrated a webcam video stream with the MediaPipe FaceMesh library to track facial landmark data points
- Created JavaScript functions to calculate the position, scale, and rotation of a filter to accurately display it on top of the user's face by mapping it onto a canvas element with the appropriate adjustments
- Employed a system of Javascript DOM event listeners to handle button inputs such as, toggling the webcam, taking a picture, or changing the the callback function used by the FaceMesh object to apply face filters

## EDUCATION

*App Academy*, Dec 2021

- Demanding and immersive software development course with focus on full stack web development

*University of Southern California*, May 2019

- BS - Business Administration, Minor - Computer Sciencext