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# Andrew Krawchyk

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## TECH

- Current: Ruby, Rails, JavaScript, Vue.js, Kafka
- Past: Python, Django, Node.js, Express, React, Heroku, AWS (API Gateway, CloudFront, DynamoDB, Lambda, S3)
- Tinkering: Nim, TypeScript, Firebase, Netlify

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## EXPERIENCE

Optoro 2017–present

*Senior Software Engineer*

- Delivering successful enterprise solutions on cross-functional agile teams by building core product features and integrations for clients including Best Buy, Under Armour, IKEA, and Target.
- Designing data-intensive and API driven applications (using Rails and Vue.js) around Kafka in a distributed application architecture.
- Mentoring junior developers and influencing the direction of the mentorship program in the Tech Mentors committee.
- Improved design/dev velocity by leading the implementation of design systems using Storybook and Invision DSM and publishing reusable style framework modules.
- Leading the direction for front end architecture, migrated developers to NPM and established federated governance guidelines for package contributions.
- Improved user experience by reducing response times for the Stock Transfer tool from 20+ seconds to <2 seconds by restructuring the API.
- Automated [BULQ.com](#) auctions saving 8+ hours per week of manual curating.
- Reduced warehouse receiving costs ~40% per unit by introducing ASN Receiving and Mass Receiving
- Further reduced receiving processing costs by implementing product catalog matching and exceptions handling features.

iStrategyLabs 2014–2017

*Senior Web Developer*

- Led a team of front end developers; responsibilities included code reviews, mentoring, and technical direction for projects and tooling.

- Interfaced with client stakeholders to determine requirements, estimates, and priorities for tasks.
- Wrote code and consulted for client Django and JavaScript projects, collaborated with UX designers to build features.
- Worked with directors to screen, interview, and hire new teammates.
- Notable projects: Volkswagen Rival Road game ([Phaser.io](#)), Luden's Beatbox (React, Web Audio, Webpack), [ServiceYear.org](#) (Django, Backbone), P.A.W. dog tracker (Raspberry Pi w/BTLE, Node.js, Redis), [FOSI.org](#) (Django).

## General Assembly

2014-2016

### *Front End Web Development (FEWD) Instructor*

- Lead instructor for FEWD 5 & 18, taught web development from the ground up with HTML, CSS, and JS.
- Professional JavaScript workshop instructor, taught applied JS with jQuery and AngularJS.
- Teacher's assistant for FEWD 17, met with students outside of class for tutoring and mentoring.

## General Dynamics Information Technology

2012-2014

### *Web Developer*

- Built dynamic user interfaces for API driven applications with jQuery and Backbone.
- Delivered high-quality multi-lingual news websites from designs.
- Collaborated with UX designers to create themeable component design systems.

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### **EXTRAS**

- Hardpass (TypeScript) — [github](#)
- AMWeekly (Django) — [github](#)
- ADL Hate Crime map (React) — [website](#)
- Awesome-Vim — [github](#)
- Vue Conf 2019 speaker: Vue.js in Practice at Optoro — [watch the talk](#)
- CodePen DC speaker: Web Audio: Basics to Beats — [slides](#)
- Refresh DC speaker: Performance and the Pursuit of Butter — [slides](#)
- AddThis web performance webinar — [watch the presentation](#)

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### **EDUCATION**

## Denison University

2007-2011

- B.S., Computer Science