

Ryan Billings

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Experienced technology professional with 7+ years of industry experience graduating with a Master of Science in Information Systems in December 2019.

Education

CARNEGIE MELLON UNIVERSITY

B.S. in Information Systems

Minor in Computer Science

Sept. 2009 - May 2013

Graduated with Honors

GEORGE MASON UNIVERSITY

M.S. in Information Systems

Department of Computer Science

Sept 2016 - December 2019

4.0 GPA

Technology

- Ruby, Rails, Java, Node.js
- Javascript, React, Redux, jQuery
- SQL
- AWS
- HTML, CSS, SCSS
- Git
- Linux/Unix/Bash
- Jira

Process

- Agile, Scrum
- Continuous integration
- Test-driven development
- Code reviews
- Project management, SDLC
- Domain modeling, ERD

Professional Experience

Engineering Manager

Nov. 2017 - Aug. 2019

Custom Ink

Fairfax, VA

Directly managed team of 6 engineers to launch and develop core features for the Design Lab—Custom Ink's main tool for customers to design t-shirts.

- Led the team in launching a new React-based Design Lab.
 - Resulted in \$20mm in increased annual revenue.
- Deployed aesthetic and functional enhancements to the new Design Lab using React, Redux, Rails, and AWS.
 - Resulted in a 10% increase in annual revenue.
- Designed a new tool that walks customers through the design process using pre-designed layouts.
 - Resulted in a 2% increase in annual revenue.
- Led the team using Agile best-practices, including running daily stand-ups, sprint planning, backlog grooming, retrospectives and demos.
- Developed engineers through bi-weekly 1:1s, quarterly goals, annual reviews, team bonding activities
 - Resulted in increased employee engagement and retention, as measured through company surveys.
- Collaborated with stakeholders, product managers, designers, including quarterly meetings with the CEO and senior leaders.
- Led a 6-month project with remote engineers in Prague.
- Regularly interviewed and hired engineers for the Engineering Department.

Technical Team Lead

Nov. 2016 - Nov. 2017

Custom Ink

Fairfax, VA

Architected and launched two major projects to improve the customer experience and website security as both a technical and project lead.

- Led, tasked and contributed to a team of 3 engineers using Node.js (Express), React and AWS (Lambda, Beanstalk, SQS, S3) to create a new system that allows customers to upload and manipulate their own artwork.
 - Resulted in 2x faster transactions and reduced server load.
- Led a 6-month cross-department project to overhaul CustomInk.com to meet the highest standards of Payment Card Industry (PCI) compliance.
- Created technical roadmaps, set milestones, and tasked engineers using Agile Scrum.

Software Engineer

July 2013 - Nov. 2016

Custom Ink

Fairfax, VA

Developed key customer-facing features for the Design Lab and shopping cart.

- Lead Javascript and Rails contributor on a project to allow customers to get a quote while designing their product, and added automated test coverage with Mocha and Minitest.
 - Resulted in at least \$2mm increase in annual revenue.
- Lead contributor on a project that expanded the product types that customers could design on, using Agile practices to go from a prototype to MVP.
- Led Custom Ink's technical integration with Pearup, a start-up that enabled customers to add corporate sponsorships to their products for the first time.
- Designed database models, built RESTful web services, publish APIs, perform migrations, and implement backend systems using Ruby on Rails to support new additions to the website.

Independent Consultant

Dec. 2015 - Dec. 2018

OSIBeyond

Bethesda, MD

- Worked directly with CEO and built a new customer-facing website for OSIBeyond.
- Used Javascript to build a single page application with a Rails backend.
- Improved website search rankings by following SEO best practices.

Teaching Assistant

Jan. 2012 - May 2013

Carnegie Mellon University

Pittsburgh, PA

Software Engineering Intern

May - August 2012

Next Jump

Cambridge, MA

Software Engineering Intern

May - Aug. 2011

Akamai Technologies

Cambridge, MA

Information Technology Intern

May - Aug. 2010

Staples Inc.

Westborough, MA