

# Julian Boilen

Engineering software designed elegantly inside and out.

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## EDUCATION

Rochester Institute of Technology, BS in Software Engineering

Graduated 2015

**Summa cum laude; GPA 3.83; Honors program; Deans list** every term

**Relevant coursework** Engineering of Software Subsystems (Design Patterns), Concurrent Systems, Engineering Secure Software, Computer Science Theory, Analysis of Algorithms, Programming Language Concepts, Software Requirements, Software Testing, Process and Project Management, Engineering Fundamentals of Computer Systems, Typography and 2 other graphic design courses.

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## WORK EXPERIENCE

Squarespace Inc., Senior Software Engineer & Team Lead

July 2018–present

Launched a new team to research, design, and implement features to help businesses with a physical presence manage their online brand across online listings sites. On-boarded new hires and formulated new frontend design patterns in a greenfield project to slow the expansion of the company's monolith while appearing seamless to the end-user. Hold regular scrum rituals and one-on-ones.

Squarespace Inc., Software Engineer

June 2015–July 2018

Worked full stack all across the product, both keeping up with the latest front-end trends while maintaining growing billing and account management systems. As the team became specialized in billing, I was involved in architecting and building a highly intricate event-sourced custom subscription billing system to accurately bill customers for Squarespace's several products while maintaining a long history of millions of customers in an interminable number of states and produce accurate data for revenue recognition.

Leveraged microservice architecture, event-sourcing, Spring Boot, PostgreSQL, REST, Kubernetes, React, MongoDB.

Squarespace Inc., Software Engineering Intern

January–August 2014

Got to know the ins-and-outs of a large Javascript and Java application and completed projects touching almost all aspects of the product. Major projects included a careful mass-modification of almost 2-million customer websites and a clear accompanying interface for customers to understand and manage this change. Worked closely with marketing to develop a unique referrals program with a clear UI and an intricate backend.

Siteworx, LLC., Backend Development Intern

June–August 2013

Created Java and PHP modules and APIs for a custom CMS for clients.

Democratic National Committee, Video Team

June–August 2012

Responded to the issues of the day with rapid-response web videos during the 2012 presidential election season (e.g. [bit.ly/DancingAroundTheIssues](http://bit.ly/DancingAroundTheIssues)) as an unpaid intern on a small video team. Researched TV archives, edited videos, created animations and graphics, and promoted content on social media. Collaborated closely with others in a fast-paced campaign environment.

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## SIDE PROJECTS

- In collaboration with a statistician and an NYC artists' collective studying the value of art school, developed an interactive data visualization of US Census Data about artists in the United States. Exhibited on a wall-mounted iPad for 3 months in the Museum of Arts and Design's *NYC Makers* biennial; accompanied the Brooklyn Museum's show *Crossing Brooklyn*. (2014)
- Helped launch and grow a low-power FM community radio station in Takoma Park, MD/DC with a custom web application to browse and listen to show archive recordings and playlists and view a programming schedule. (2018, built initial site in 2011)
- Created a display showing real-time bus arrival predictions for an apartment building lobby. Built with adapted open source software and a Raspberry Pi. (2015)

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## SKILLS

**Proficient** Java, Spring Boot, REST, HTML & CSS/LESS, Javascript, React, Webpack, NPM, software design patterns & architecture, event-sourced architectures, microservices, online payments, IntelliJ, Git, Photoshop, Illustrator

**Intermediate** PostgreSQL, MongoDB, Kubernetes

**Non-technical** Eagerness to learn new skills, frameworks and languages; scrum; facilitating collaboration.