

Julian Boilen

Full stack software engineer in NYC with penchant for design
julianboilen.com

SIDE PROJECTS

- Built a 'street view' of 1940s NYC using digitized Municipal Archives photos of every building in the city at that time. [1940s.nyc](#). (2020)
Press: Frommer's, Time Out, Boing Boing, Brooklyn Paper, Inside Edition
- Developed an interactive visualization of US Census data about artists in the United States in collaboration with a statistician and an NYC artists' collective studying the value of art school. Exhibited on a wall-mounted iPad for 3 months in the Museum of Arts and Design's *NYC Makers* biennial; accompanied the Brooklyn Museum show *Crossing Brooklyn*. [censusreport.bfamfaphd.com](#) (2014) *Press:* Hyperallergic
- Produced "Posthumans", a one-season podcast on Posthumanism in collaboration with a posthumanist philosopher and field-leading guests (2020) [Link](#)
- 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, also built initial site in 2011)
- Developed a website for arts and culture grantmakers to learn about the solidarity economy. [art.coop](#) (2021)

WORK EXPERIENCE

FreeWill Co., Senior Software Engineer & Tech Lead

July 2019–Jan 2022

As an early engineer, I created and implemented software patterns that built a solid foundation for rapid development of new and future estate planning products and expansion to new markets, including: a React-based PDF generator, an abstraction for step-based flows, using Tsoa and OpenAPI to generate RESTful routes and a typed frontend client library, a framework for internationalization and localization, and a screenshot-diffing testing system using Cypress. Raised \$4B+ for charity. Leveraged serverless architecture, AWS Lambda, JavaScript, TypeScript, Node.js, React, PostgreSQL.

Squarespace Inc., Senior Software Engineer & Team Lead

July 2018–July 2019

Launched a new team to research, design, and implement features to help businesses with a physical presence manage their online brand across online directory sites like Google Maps. 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. Held regular scrum rituals and one-on-ones.

Squarespace Inc., Software Engineer

June 2015–July 2018

Deeply involved from the beginning in architecting and building a highly intricate event-sourced custom subscription billing system to accurately bill customers for Squarespace's several products (websites, domains, email, stock imagery) while maintaining a long history of millions of customers in an interminable number of states, producing accurate data for revenue recognition, and collecting global taxes. Worked full-stack across the whole Squarespace product throughout this time, keeping up with frontend trends. Leveraged microservice architecture, event-sourcing, Spring Boot, PostgreSQL, MongoDB, REST, Kubernetes, React, JavaScript, TypeScript, Java.

Squarespace Inc., Software Engineering Intern

January–August 2014

Completed projects touching almost all aspects of the product (blog posts, templates, content blocks, account management, support UI, search infrastructure). Executed a careful mass-modification assigning an "owner" to 2 million customer websites with an accompanying interface for users to manage this change.

Siteworx, LLC., Backend Development Intern

June–August 2013

EDUCATION

Rochester Institute of Technology, BS in Software Engineering

Graduated 2015

Summa cum laude