

Joe Brunner

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Employment

Square

Senior Software Engineer, Pricing and Subscriptions

03/2019 – present

- Owned Pricing crossplatform (iOS, Android, server) and backend (Java, Kotlin, Go) infrastructure components.
- Coordinated end-to-end launches of core features such as customer group discounts and itemized service charges.
- Scaled new discounting and calculating backends from inception to supporting millions of daily API requests.
- Built and released public Square Developer APIs enabling businesses to sell product subscriptions to customers.
- Steered efforts to promote API-first integrations, rewriting public SDKs to be compatible with internal services.

Google

Software Engineer, Core Search Features and Search Platforms

06/2014 – 03/2019

- Maintained the Search frontend server (Java, Python, HTML), delivering results to billions of users worldwide.
- Developed the presentation of core features such as organic Search results and real-time (e.g. Twitter) results.
- Pioneered architecture to drive the rapid adoption of long-tail Search features on emerging clients and networks.
- Effected iterative improvements to a custom web templating language utilized by hundreds of Search teams.

FactSet Research Systems

Software Engineer Intern, Idea Screening

05/2013 – 08/2013

- Created a web application profiling tool to identify performance bottlenecks and facilitate easier debugging.

Education

University of Rochester

Bachelor of Science, Computer Science; Bachelor of Arts, Mathematics

09/2010 – 05/2014

- Earned cumulative GPA of 3.61/4.0, with core GPAs of 3.68 in Computer Science and 3.53 in Mathematics.
- Worked on IT Center student staff for four years, troubleshooting account and network-related issues.
- Managed staff hiring, scheduling, and training processes for two years as senior IT Center student lead.

Projects

Filefairy

Creator, <https://github.com/brunner/filefairy>

10/2016 – 05/2019

- Sidekick to StatsPlus, complete with Slack integration, that improved the accessibility of an OOTP baseball league.
- Ensured resiliency to unexpected or missing inputs through module isolation and dynamic app reloading.

FairyLab

Creator, <https://brunnerj.com/fairyLab>

09/2018 – 05/2019

- Front-end generated by Filefairy, emulating the StatsLab interface and introducing the ability to rewatch games.