

# Josh Holbrook

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## Employment History

Senior Software Engineer  
Squarespace Inc, Finance Products

July 2019 - January 2020  
New York NY

- Acted as a de facto incident commander during firefighting
- Designed and instituted an on-call process to ensure that support work was spread evenly
- Identified and implemented several improvements to development and deployment tooling and processes to improve team velocity and reduce bugs
- Spearheaded proposals to onboard billing and payments data onto a data vault reference architecture to improve velocity and decrease bugs, and to rearchitect reporting to mirror industry standard BI tools

Senior Developer  
Gizmodo Media Group, Data Engineering

September 2016 - May 2019  
New York NY

- Acted as the technical lead to deliver Amazon affiliate program commerce analytics involving three teams and multiple contractors, providing experiment data used to optimize conversions on a front page redesign
- Architected an A/B testing API and web UI to make testing approachable to product managers
- Owned internal analytics and recommendation systems that served over 100 million users a month; overhauled legacy systems and implemented monitoring, vastly decreasing total outages and virtually eliminating undetected outages

Software Developer  
Condé Nast, Copilot API

February 2014 - August 2016  
New York NY

- Wrote a HATEOAS-inspired graph-capable relationships API that supported the content relationship needs of over a dozen brands
- Led the data migration that replatformed over a decade of live fashion show coverage from Style.com to Vogue Runway
- Participated in on-call for Copilot API services, including during the site launch of Vogue Runway on New York fashion week

## Open Source Portfolio

*GitHub: @jfhbrook*

Pyee ★211

July 2011 - Present

A Python port of the Node.js EventEmitter with special support for concurrency and async frameworks

ecstatic ★912

November 2011 - May 2019

A fully-featured static file serving module for Node.js

## Skills

**Languages:** Bash, JavaScript, PowerShell, Python, Scala

**Operating Systems:** Arch Linux, OSX, Ubuntu Linux, Windows 10

**Cloud Platforms:** AWS, GCP, DigitalOcean

**Frameworks:** Electron, Express, Flask, Hapi, Node.js, Play Framework, Twisted

**Data Engineering:** Apache Airflow, Apache Spark, Jupyter, LookML, Numerical Methods, Pandas

**Databases:** RedShift, CouchDB, Solr, BigQuery, MongoDB, MySQL, PostgreSQL

**Backend Engineering:** gunicorn, Microservices, NGINX, REST, RabbitMQ, Redis

**DevOps:** Ansible, DataDog, Docker, Jenkins, Kubernetes, NewRelic, NixOS, Puppet, Slack ChatOps, systemd, Terraform, Vagrant

**Web Technologies:** CSS, HTML, JSON, Node.js, React

## Education

Master of Science, University of Alaska Fairbanks  
Major: Mechanical Engineering

September 2009 - May 2011  
GPA: 3.62