

# Josh Holbrook

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## Projects

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 middleware for Node.js

## Recent Employment History

Eaze, Core Services

October 2021 - Current

Staff Engineer

Remote

- Added OpenTelemetry support to the boltzmann framework, preparing the majority of JavaScript services for a migration from Honeycomb beelines
- Made recommendations for hiring decisions and process changes, many of which management adopted

DoubleVerify, Social Integrations

July 2020 - October 2021

Staff Data Engineer

New York NY

- Led project planning, design and development of a greenfield hybrid streaming/batch pipeline for a Facebook brand suitability product, shipping an MVP in only 7 weeks and scaling to tens of millions of content items
- Developed an internal data engineering framework with a focus on first-class PyCharm support, confidence in correct code and rapid development

Squarespace Inc, Finance Products

July 2019 - January 2020

Senior Software Engineer

New York NY

- Supported and maintained financial data pipelines used for ASC606 revenue recognition, cash and tax reporting and financial planning for a multi billion dollar web site host

Gizmodo Media Group, Data Engineering

September 2016 - May 2019

Senior Developer

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
- 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

Condé Nast, Copilot API

February 2014 - August 2016

Software Developer

New York NY

- Wrote HATEOAS-inspired graph-capable content relationships API that supported the data modeling needs of over a dozen brands using Condé Nast's all-new internal CMS
- Worked on the team that launched Vogue Runway's real time fashion show coverage during New York Fashion Week, including leading a data migration that replatformed over a decade of content

## Education

Master of Science, Mechanical Engineering

September 2005 - May 2011

University of Alaska Fairbanks

GPA: 3.62

## Skills

**Languages:** Bash, JavaScript, TypeScript, PowerShell, Python, Scala, Rust, Go

**Operating Systems:** Ubuntu Linux, Fedora Linux, Arch Linux, Raspberry Pi OS, MacOS, Windows

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

**Databases:** PostgreSQL, MySQL, SQL Server, BigQuery, RedShift, Vertica, SQLite, CouchDB, MongoDB, Solr

**Frontend Engineering:** CSS, HTML, Canvas, JSON, Django, Express, Play Framework, jinja2, React, Electron

**Backend Engineering:** NGINX, gunicorn, Flask, Hapi, Node.js, REST, RabbitMQ, Redis, asyncio, Twisted

**Data Engineering & Data Science:** Airflow, Spark, Jupyter, LookML, Kafka, Schema Registry, Pandas, PyTorch

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