

# Josh Holbrook

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## Open Source Portfolio

PSeudo ★32

April 2020

A PowerShell module for privilege escalation using named pipes and .NET binary serialization

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

## Employment History

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
- 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
- Ported the organization's microservice framework from Scala and Play to Python and Flask to enable development of services by the data team
- Directly mentored two junior employees

Condé Nast, Copilot API

February 2014 - August 2016

Software Developer

New York NY

- Developed and supported backend services for Copilot, Condé Nast's green-fielded internal CMS
- Wrote a HATEOAS-inspired graph-capable content relationships API that supported the data modeling needs of over a dozen brands
- 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, 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:** Airflow, 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, ChatOps, systemd, Terraform, Vagrant

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