

# 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 middleware 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 so experiments could be configured with a web UI instead of disparate scripts
  - 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