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

DoubleVerify, Social Integrations Software Development   July 2020 – Current
Staff Data Engineer   New York NY

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