Josh Holbrook

Wasilla, AK – (907) 841 8351 – josh.holbrook@gmail.com – https://github.com/jfhbrook

Staff Software Engineer

Seasoned staff+ software engineer with over 12 years of experience in backend development, data engineering, DevOps and reliability. Expert at JavaScript, TypeScript and Python. Passionate about reliability, domain driven design, engineering leadership and full-stack ownership.

Skills

Languages: Bash, JavaScript, TypeScript, PowerShell, Python, Scala, Rust, Go
Operating Systems: Ubuntu Linux, Fedora Linux, Raspberry Pi OS, MacOS, Windows
Cloud Platforms: AWS, GCP, Azure, DigitalOcean
Databases: PostgreSQL, MySQL, SQL Server, BigQuery, RedShift, Vertica, SQLite, CouchDB, MongoDB, Redis
Web Technologies & Frameworks: CSS, HTML, Django, Express, Flask, Rails, Node.js, Nest.js, Ruby on Rails, React, Electron
Data Engineering & Data Science: Airflow, Spark, Jupyter, LookML, Kafka, Pandas, Data Warehousing, Numerical Methods, Optimization
DevOps: Ansible, Terraform, Crossplane, DataDog, New Relic, OpenTelemetry, Prometheus, Docker, GitLab CI, CircleCI, GitHub Actions, Kubernetes, system, SLOs
Leadership: Consensus Building, Decision Making, Mentorship

Employment History

Procore Technologies, Embedded Site Reliability Engineering   August 2022 – January 2024
Staff Software Engineer   Remote
- Led embedded engagements to accomplish infrastructure milestones
- Became a subject matter expert and evangelist for SLOs, educating my team and driving SLO adoption
- Collaborated and drove consensus among technical leaders
- Acted as a "force multiplier", increasing team velocity by mentoring and unblocking other engineers on my team
- Proposed the creation of a data analysis framework for operational insights, which evolved into a major multi-quarter initiative to ETL data into DataBricks using TypeScript

Eaze, Core Services   October 2021 – August 2022
Staff Engineer   Remote
- Added OpenTelemetry support to the bolzmann framework, preparing Boltzmann service for migration from Honeycomb beelines
- Developed a migration toolchain and pipeline for SQL Server, improving safety and speed of .NET development

DoubleVerify, Social Integrations   July 2020 – October 2021
Staff Data Engineer   New York, NY
- Led project to develop a hybrid streaming/batch pipeline for social media advertising data, 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

- Mentored and trained other engineers on the team through pair programming, documentation and videos

Gizmodo Media Group, Data Engineering   September 2016 − May 2019
Senior Developer   New York, NY
- Acted as the technical lead to deliver Amazon affiliate marketing program commerce analytics involving three teams and multiple contractors, providing experiment data 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
- Architected an A/B testing API so experiments could be configured with a web interface instead of disparate scripts
- Mentored junior employees on the team

Condé Nast, Copilot API   February 2014 − August 2016
Software Developer   New York, NY
- Wrote HATEOAS-inspired graph-capable content relationships API that supported data modeling needs of over a dozen brands using Condé Nast's greenfield internal content management system
- Developed and supported custom components for Vogue Runway's real time fashion show coverage, launching during New York Fashion Week 2015, including a custom content import interface and a data migration that re-platformed over a decade of content

Nodejitsu Inc   July 2011 − December 2012
Head of Support   San Francisco, CA
- Managed and trained other support engineers
- Monitored support channels such as IRC, email and Twitter for support requests
- Triaged and investigated live production issues with Nodejitsu software, servers and cloud providers
- Maintained, fixed bugs and made releases of modules in the Flatiron framework and Nodejitsu's open source software
- Developed and maintained internal support infrastructure and tooling

Education
Master of Science (M.S.), Mechanical Engineering
University of Alaska Fairbanks, Fairbanks, AK