# Josh Holbrook

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## 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

**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
- Spearheaded proposals to onboard billing and payments data onto a data vault reference architecture to improve velocity and decrease bugs, and to rearchitect reporting to mirror industry standard BI tools
- Designed and instituted an on-call process to ensure support work was evenly spread

**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

i.TV LLC                                                    August 2013 – November 2013
Software Engineer                                                            Provo, UT
- Developed new features and debugged memory leaks in internal content management tools with CoffeeScript and AngularJS to enable real-time creation and curation of live content created over the course of a full TV episode

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, Mechanical Engineering                        August 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, 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, 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, DataDog, New Relic, OpenTelemetry, Prometheus, Docker, GitLab CI, CircleCI, GitHub Actions, Kubernetes, system, SLOs
**Leadership:** Consensus Building, Decision Making, Mentorship