

Joshua Holbrook

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Skills and Qualifications:

- Expert in Python, JavaScript/Node.js and Bash; Competent with Scala; Experience with MATLAB and LabVIEW
- Experience working with microservices and distributed systems using HTTP JSON/XML APIs and queue-based workers/consumers
- Competent with PostgreSQL, MySQL and AWS Redshift; Experience with Redis, RabbitMQ, Kinesis, Solr, CouchDB and MongoDB
- Experience with EMR, S3, EC2, RDS, SQS, CloudFormation, CodeDeploy and other AWS products
- Competent with LookML; Experience with Apache Spark and Apache Airflow
- Experience with Jenkins, Puppet, Ansible, Docker, Vagrant, Kubernetes, Datadog and NewRelic

Education:

Master of Science in Mechanical Engineering

Sept. 2009 – May. 2011

University of Alaska Fairbanks

Thesis: The Determination of Anisotropic Thermal Conductivity with Thermal Needle Probe Measurement

3.62 GPA

Employment History:

Senior Software Engineer, Finance Products

July 2019 - January 2020

Squarespace Inc, New York NY

Job duties and accomplishments include:

- Investigating and addressing material production issues with reporting and ingestions
- Developing bridge reports for material production issues with reporting
- Designing and instituting an on-call process and rotation
- Improving development tooling and CI pipelines to increase the velocity of developing and merging code changes
- Implementing changes to database permission and role management tooling to improve the velocity and reliability of staging deploys and production releases
- Collaborating on a proposal to onboard billing and payments data onto Squarespace's Data Vault based reference architecture
- Collaborating on proposals to improve the architecture of financial reporting systems

Senior Developer, Data Engineering

September 2016 - May 2019

Gizmodo Media Group, New York NY

Job duties and accomplishments include:

- Developing, deploying and supporting ETL processes, pipelines and scheduling for data warehousing with Python and AWS Redshift
- Designing and delivering dashboards and explores in Looker
- Taking development and ops/support ownership of Kinja's internal data analytics pipeline and replatforming batch compute jobs from Scala to Python, using Apache Spark, MySQL, Jenkins, EMR and Kinesis
- Leading the overhaul of Kinja's Amazon affiliate program tracking and analytics using Scala, MySQL, Python and Looker

Software Developer, Copilot Backend

February 2014 - August 2016

Condé Nast, New York NY

Job duties and accomplishments include:

- Developing API services for content management and publishing with Node.js, MongoDB and Solr
- Helping to design the relationships model used in Copilot 2.0
- Building and launching critical components of Vogue Runway's real-time photo update experience
- Building out the deploy system for Copilot during the initial migration onto AWS
- Deploying, supporting and being on-call for API services with Puppet, AWS CodeDeploy and NewRelic

Software Engineer

August 2013 – November 2013

i.TV LLC, Provo UT

Job duties and accomplishments include:

- Developing back-end systems with CoffeeScript, MongoDB and RabbitMQ
- Building and debugging internal content creation/management tools with CoffeeScript and AngularJS

Head of Support

July 2011 – December 2012

Nodejitsu Inc., San Francisco CA

Job duties and accomplishments include:

- Managing and training other support engineers
- Monitoring IRC, email, Twitter and other sources for support requests
- Triaging and investigating issues with Nodejitsu software, servers and cloud providers
- Maintaining, bugfixing and managing releases for the Flatiron framework and Nodejitsu's open-source software
- Developing and maintaining internal support infrastructure and tooling