

BRIAN CALL

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EXPERIENCE

Principal Software Engineer - SRE, REI | Remote | Feb 2023 - Present

Leading cross-company modernization for CI/CD, Terraform, Python, developer experience and platform engineering, as well as incident response for www.rei.com.

- **Engineering Leadership** - Guiding department engineering practices and culture. Streamlined Agile processes and grew the practice of writing DACIs, ADRs, and Human User Guides. Designed and drove adoption of golden paths for all engineering operational documentation, relying heavily on Backstage as a single entry point to vastly improve discoverability.
- **Platform Engineering** - Leading Backstage design and development, migrations from Jenkins to GitLab CI/CD, BitBucket Server to GitLab SaaS, Jira/Confluence on-premises to Cloud.

Senior Systems Engineer, Brex | Remote | Dec 2021 - Feb 2023

Founding engineer for Brex IT. Laid the groundwork for IT and Business Systems engineering.

- **Cloud Infrastructure** - Designed and built Brex IT's AWS cloud estate including account topology, networking, monitoring, alerting, and more. Wrote and maintained Terraform config for multi-region AppStream (VDI) to support hundreds of BPO contractors working across four continents.
- **CI/CD** - Introduced GitHub Actions and trained the team on its usage. Built self-hosted runner infrastructure in AWS. Collaborated with ICs on workflows for endpoint patching and systems maintenance, Docker builds, Terraform deployments, linting, testing, and more.
- **Data Engineering** - Designed and built IT data warehouse in Snowflake, populated via Python ETL jobs to create timeseries datasets for business systems data analytics. Reverse-engineered and recreated expensive custom datasets from a vendor, saving the company \$70k with two days' work.

Lead Member of Technical Staff, Salesforce | Hillsboro, OR | Nov 2019 - Aug 2021

- **CI/CD Architect** - Led CI/CD initiative for 30-person client engineering team, using GitHub Actions and self-hosted runners. Collaborated with team to develop patching workflows that automated the toilful work of a 6-person patching team. Partnered with security team to build automated testing workflows for golden image testing to improve change time-to-delivery from weeks to hours.
- **Mentorship and Enablement** - Mentored team on Git, automation concepts, CI/CD workflow authoring, and automated testing. Hosted weekly "Python Happy Hour" to help team upskill their coding abilities, with great success.

Enterprise Support Engineer, GitHub | Remote | Apr 2019 - Oct 2019

- **Support** - Supported GitHub Enterprise for XL-sized customers such as Apple, IBM, and SAP.
- **Ruby** - Identified bugs and wrote patches in Ruby for GitHub Enterprise and GitHub.com.

Software Engineer, Puppet | Portland, OR | Sep 2017 - Apr 2019

- **Data Engineering** - Designed and built company data engineering stack consisting of Airflow on GKE with a BigQuery data warehouse. Migrated legacy Postgres data warehouse to GCP. Wrote Dockerized ETL jobs in Python for Salesforce, JIRA, Greenhouse, UltiPro HRIS, and more.
- **Python Tools** - Developed processes and custom Python tooling to comply with GDPR requests. Created the open source PyPI package ultipro to interface with UltiPro HRIS SOAP API.

Systems Engineer, Puppet | Portland, OR | Mar 2014 - Sep 2017

- **Puppet** - Designed, provisioned, and owned the Puppet deployment for macOS and Linux clients.
- **Network Engineering** - Designed and deployed corporate network for new offices in Seattle, Sydney, and Singapore.
- **Python and Ruby** - Developed and maintained tooling for employee lifecycle automation.

System Administrator, Reed College | Portland, OR | 2013-2014

- Worked as part of a small team to administer the college's fleet of 2000 Macs.

English Teacher, AEON Corporation | Sapporo, Japan | 2010-2011

- Moved to Japan and taught English for a year.

Mac Genius, Apple | Portland, OR | 2007-2010 and 2011-2013

- Genius Bar-tender. Serviced Macs, iPhones, and iPads.

EDUCATION

- University of Colorado | BA - Japanese | 2007
- Harvard University, Graduate Studies | Software Engineering | 2016 - 2021

TOOLS

Most Experience

Apache Airflow, AWS, Bash, BigQuery, Buildkite, Datadog, Docker, Git, GitHub (admin), GitLab (admin), Google Cloud Platform, Google APIs, Grafana, Helm, Kubernetes, Linux, macOS, OpenLDAP, Packer, Pagerduty, Puppet, Python, Ruby, Snowflake, SQL, Terraform, Tines

More Experience

Go, Flask, Hugo, Jenkins, Jupyter, Looker, Okta, Swift, Tableau, TypeScript, HashiCorp Vault, VMware vCenter

Some Experience

C++, CSS, Django, HTML, JavaScript, Jekyll, Windows, and many more...

References available upon request.