Brian Sigurdson

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SUMMARY

A multi-cloud DevOps Engineer automating what matters.

SKILLS / TECHNOLOGIES

- Cloud Computing — Amazon Web Services (AWS), Azure
- Infrastructure as Code — Terraform, AWS CloudFormation, ARM Templates
- CI/CD — Azure DevOps, AWS CodePipeline / CodeBuild, GitHub Actions, Jenkins
- Configuration Management — Ansible
- Source Control — Git, GitHub, AWS CodeCommit
- Containers — Docker & Kubernetes
- Scripting / Programming — Python, Bash, Java, SQL, JavaScript, CSS, HTML
- Linux — RHEL, CentOS, Ubuntu
- Monitoring / Reporting — Splunk, AWS CloudWatch

RELEVANT CERTIFICATIONS

- AWS — AWS Certified Solutions Architect - Associate
- AWS — AWS Certified Developer - Associate
- AWS — AWS Certified Cloud Practitioner
- Azure — Microsoft Certified: Azure Fundamentals

RECENT CLIENT PROJECTS

Public Utility : Azure | AWS | Azure DevOps | AWS CodePipeline | AWS CodeBuild | Bash

- Independently supported multiple applications that spanned both AWS and Azure cloud providers.
- Independently supported 20+ developers, 12+ CI/CD pipelines, 80+ pipelines in total, and was responsible for all prior DevOps work on the project.
- Utilized tools and technologies such as Bash, TypeScript, aws-cdk, AWS (CloudFormation CodePipeline, CodeBuild, CloudFront, S3, and more), Azure ARM (Templates & Bicep, API Management), Azure DevOps (Boards, Pipelines).
- Developed, maintained, and enhanced regular and CI/CD pipelines for AWS and Azure.

Research Institute : AWS | GitHub Actions | AWS ECS | AWS Code Build | Bash

- Worked on a team of DevOps engineers to help move the client's legacy Java application to AWS.
- Utilized tools and technologies such as Bash, GitHub Actions, and AWS (Elastic Container Service, CodeBuild)
- Assisted in developing automated build and delivery tools.

Manufacturer : AWS | Terraform | Python | Bash | AWS Aurora

- Worked on a team of DevOps engineers to facilitate the client's migration from Azure to AWS.
- Utilized tools and technologies such as Bash, Python, Terraform, Terragrunt, AWS (Aurora Serverless, Lambda, AWS CodeBuild, S3, CloudWatch, and more).
- Assisted in the development of automated logging and monitoring.
- Assisted in developing a global failover system for disaster recovery on AWS that allowed the client to recover from a regional failover in minutes instead of days.

SELECTED ADDITIONAL PROJECTS

Ansible | Bash | Ubuntu | Cloudlab.us | Hadoop | MySQL | Drupal

Utilized Ansible and Bash to automate the deployment of a dynamically sized Hadoop cluster.

★ The automation reduced deployment time from hours or days to about 20 minutes.

Ansible | Cygwin | PowerShell | Windows 2012

Utilized Ansible to automate the deployment of Cygwin to Windows 2012 servers.

★ The automation reduced in the deployment time from hours to about 10 minutes.

Ansible | Jenkins | Windows 2021 | RHEL 7

Utilized Ansible to update the Jenkins agents running on Windows 2012.

★ The automation transformed a manual and tedious process to consistently reliable updates.

Ansible | Java | Windows 2012 | Windows Batch

Utilized Ansible to facilitate the deployment of Java to Windows 2012 servers.

★ The automation transformed an error prone procedure into a consistently reliable process.

JUnit | Jenkins | Ant | Bash | PowerShell

Collaborated with developers to jump-start a stalled project to upgrade the use of JUnit in the development environment. Assisted in updating sections of Ant code and added Bash and PowerShell code in Jenkins to complete the transition.

★ As a result of my involvement, the project resumed, and the developers could continue their efforts to expand the use of JUnit.

RELEVANT EXPERIENCE AND WORK HISTORY

2022 – Present   **DevOps / Cloud Engineer**   **Launch by NTT DATA**
- **Work remotely building client projects in AWS and Azure.**

2019 - Present   **Website Administrator (volunteer)**   **Alliance Francaise de Toledo**
- Work remotely taking direction from the board of directors to maintain the website.

2021 - 2022   **Upskilling / Professional Development**   **Work From Home, Toledo OH**
- Time-off to focus on developing professional skills, after leaving Thomson Reuters.

2018 - 2021   **DevOps Engineer**   **Thomson Reuters, Ann Arbor MI**
- Worked as a member of a DevOps team to ensure consistent and reliable software deployments.

1995 - 2006   **Staff Accountant / Java Programmer**   **Oldcastle Perrysburg, Perrysburg OH**
- Worked as a staff accountant as well as designed, developed, and maintain our department website.

1995 - 1995   **Registered Rep Trainee**   **Olde Discount Stockbrokers, Detroit MI**
- Prospected for potential clients while preparing for licensing exams.

1994 - 1995   **Accounting Analyst**   **Dana Commercial Credit, Maumee OH**
- Worked as an accountant as well as assisted in implementing a new accounting software for the department.

EDUCATION

Date	Institution	Degree	Field	GPA
2018-08-04	Bowling Green State University	Master of Science	Computer Science	3.3 / 4.0
2016-08-06	Bowling Green State University	Master of Arts	Statistics	3.2 / 4.0
1994-08-06	The University of Toledo	BBA	Accounting	3.0 / 4.0