www.bks.name
sigurdson.brian@gmail.com
https://github.com/brian-sigurdson
https://www.linkedin.com/in/brian-sigurdson

Brian Sigurdson

SUMMARY

A well-rounded DevOps engineer who enjoys working with multiple technologies to automate what matters.

RELEVANT SKILLS / TECHNOLOGIES / CERTIFICATIONS

- AWS — EC2, VPC, IAM, S3, and more.
- Infrastructure as Code — AWS CloudFormation, Terraform
- Source Control — Git, GitHub, AWS CodeCommit
- CI/CD — Jenkins, AWS CodePipeline
- Configuration Mgmt. — Ansible
- Containers — Docker, Kubernetes (basic knowledge and experience)
- Scripting/Programming — Python, Bash, Java, SQL, JavaScript, CSS, HTML
- Linux — RHEL / CentOS
- Monitoring / Reporting — Splunk
- Certifications — AWS (CLF, SAA, DVA), Java 8 Associate, additional certifications on LinkedIn

RELEVANT PROJECTS

AWS Cloud9 | Terraform | AWS CloudFormation | AWS Boto3/Python | Git/GitHub

For professional development I created multiple projects, using different technologies, to automate the provisioning of Cloud9, AWS's browser-based IDE. Please see www.bks.name/projects.html.

★ Automation simplified the provisioning of a Cloud9 environment and is done in about two minutes.

AWS (Serverless, API Gateway, Lambda, DynamoDB, CodePipeline) | JavaScript | CSS | HTML

For professional development I created www.bks.name, a website that has information about my professional skills / abilities / projects. The website is deployed in a CI/CD manner using AWS CodePipeline and GitHub. Please see www.bks.name.

★ Building the website was an opportunity to work with new technologies.

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

For my master's project, I utilized Ansible and Bash to automate the deployment of a dynamically sized Hadoop cluster running Boa on cloudlab.us (a private cloud service). Upon completion, the user had a functional Boa cluster using Hadoop, running in a private cloud, using Ubuntu, Apache HTTP Server, and MySQL, with a Drupal user interface.

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

Ansible | Cygwin | PowerShell | Windows 2012

At Thomson Reuters, I utilized Ansible to automate the deployment of Cygwin to Windows 2012 servers, to facilitate the support of an application using Crystal Reports. I wrote PowerShell code to facilitate a successful installation of Cygwin, with Ansible, on Windows.

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

Ansible | Jenkins | Windows 2021 | RHEL 7
At Thomson Reuters, I utilized Ansible to facilitate the installation and patching of Jenkins agents running on Windows 2012 servers, and the Jenkins control server running on Red Hat Linux.

★ The automation transformed two error prone activities into consistently reliable deployments.

Ansible | Java | Windows 2012 | Windows Batch
At Thomson Reuters, I utilized Ansible to facilitate the deployment of Java jdk/jre to Windows 2012 servers, and updated the relevant Batch configuration files through the use of Ansible templates.

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

JUnit | Jenkins | Ant | Bash | Powershell
At Thomson Reuters, I collaborated with developers to complete a stalled project, upgrading the use of JUnit in the development environment. I assisted in updating sections of legacy Ant code to fit into the new environment and updated necessary components of the Jenkins JUnit pipeline. I added Bash and PowerShell code to 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 locally and on the build servers.

Other Projects
See: http://www.bks.name/projects.html

RELEVANT EXPERIENCE AND WORK HISTORY

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

2021 - Present   **Upskilling / Professional Development**   **Work From Home, Toledo OH**
- After leaving Thomson Reuters, I took time to focus exclusively on developing professional skills and qualifications. I have enrolled in multiple courses, I have pursuing several industry leading certifications, and will bring the knowledge together with projects to showcase my abilities.

2018 - 2021   **Software Engineer (DevOps)**   **Thomson Reuters, Ann Arbor MI**
- Worked as a member of a DevOps team to ensure consistent and reliable software deployments and the high availability of supporting systems. I utilized tools and technologies such as Ansible, Jenkins, Bash, Python, Git/GitHub, JBoss, RHEL Linux, Windows servers, Splunk, Azure DevOps, and Zabbix to carry-out deployments and improvements.

1995 - 2006   **Staff Accountant / Java Programmer**   **Oldcastle Perrysburg, Perrysburg OH**
- In additional to normal accounting duties, I designed, developed, and maintain an intranet website for the accounting department using: Java, Linux, J2EE (JSP, Servlets), PostgreSQL, JBoss, and Apache POI.

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**
- In addition to accounting duties, I assisted in implementing a new accounting software for the department.

EDUCATION

Date	Institution	Degree	Field	GPA
2021-12-08	Udacity	Nanodegree	HTML, CSS, Python, JavaScript	N/A
2021-09-05	Udacity	Nanodegree	SQL	N/A
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
N/A	Eastern Michigan University	Prep courses for computer science master's studies		N/A
N/A	The University of Toledo	Prep courses for mathematics master's studies		N/A
1994-08-06	The University of Toledo	BBA	Accounting	3.0 / 4.0