Joseph Barr

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# Technical Skills

* **Back End Development:** Java, Python
* **Build Tools:** Maven
* **CI/CD:** Jenkins, Linux Bash / Shell script, SonarQube
* **Cloud Computing:** Google Cloud Platform (GCP)
* **Frameworks:** Spring, Spring Boot
* **Front End Development:** CSS, HTML
* **IDE:** IntelliJ, Microsoft Visual Studio Code
* **Infrastructure As Code (IaC):** Terraform
* **Microservices:** Docker, Kubernetes, Helm Charts
* **Monitoring:** Datadog, PagerDuty
* **Software Development Life Cycle (SDLC):** Agile / Scrum, Confluence, Jira, ServiceNow
* **SQL:** Oracle SQL, PostgreSQL
* **Test Driven Development (TDD):** JUnit
* **Web Development:** JSON, REST API

# Professional Experience

JPMorgan Chase & Co. Production Support Engineer 03/2024 – 06/2024

* Reduced number of incidents raised by 25% by providing L2 support to 3 development teams using root cause analysis.
* Provided 50 stakeholders with daily reports tracking 4000+ data points, detailing acknowledged and unacknowledged financial markers using data retrieved from Oracle SQL database.
* Maintained uptime and availability of 20 UAT environments by using automation tools to copy data from Production environments to mirror UAT.

## Equifax

Site Reliability Engineer 04/2022 – 04/2023

* Identified high latency in Production environment (2s) using Datadog and reduced response time to 200ms by using Google MemoryStore to cache data from database calls.
* Improved quality of Java code from C rating to A rating in SonarQube by refactoring code, following good coding practices, and updating Maven dependencies to improve security.
* Improved Continuous Integration / Continuous Delivery by storing Spring Boot application properties in a Kubernetes ConfigMap, reducing deployment time from 5 minutes to 1 minute.
* Removed 20 GB of data from Google Cloud Repository by deleting untagged and unused Docker images using Shell scripting and Jenkins pipelines.
* Reduced technical debt by improving Docker files for Java microservices, ensuring that changes can be made in 1 hour instead of 1 day.

## Living Well Learning Center

Web Developer 06/2021 – 01/2022

* Rebuilt website using modern HTML and CSS, reducing cost by $500 and raising awareness of organization’s mission and services, increasing enrollment by 5%.
* Moved site hosting to free public cloud, further reducing cost by $30 and enabling new features to be uploaded from GitHub.
* Performed maintenance of site and trained staff in password maintenance and basic IT, reducing stress and improving knowledge of computer systems.

# Education

## University of Mary-Hardin Baylor

* Bachelor of Arts – Computer Science, 2014
* Honors:
  + Magna Cum Laude
  + Provost Honor Roll