Eric Galego . Jarvis Consulting

Hi, I'm Eric a computer science specialist graduate from the University of Toronto. I began my software journey in high school developing and working with small applications to make my day-to-day life easier. From there I knew I wanted to continue my education in the direction of technology as I enjoyed working with new technologies and automating things I found to be tedious in my day-to-day life. I have a background in security from my first job in tech as an Application Security Analyst and am looking forward to utilizing and expanding my skills and knowledge from school and the industry to make me an asset to any future company I work with. I am an energetic and collaborative professional, eager to enter the tech industry, and keen on advancing my skills. I bring a positive and enthusiastic attitude to any workplace I join.

Skills

Proficient: Java, Linux/Bash, Python, JavaScript, React, RDBMS/SQL, Agile/Scrum, Jenkins, Git, Application Security (SAST and DAST), REST APIs

Competent: Docker, Django, Cypress, Kotlin, AWS and Cloud Technologies

Familiar: Selenium, C, Data Analysis, Computer Networking, Artificial Intelligence

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_EricGalego

Cluster Monitor [GitHub]: Designed and developed an application to collect and monitor hardware data and machine resource data on designated host machines, leveraging a combination of Bash scripting, Docker, crontab, and PostgreSQL. Using Bash, our host_info bash script gathers crucial hardware information while host_usage collects host resource usage data to constantly check how the system is performing. Docker is employed for containerization, ensuring portability and scalability of the application across various environments. PostgreSQL is hosted within the Docker container to store the results of this data collection. The continuous monitoring process through crontab checks usage statistics on host machines, providing real-time insights into resource utilization. It allows users in charge of the cluster of Linux machines to easily access usage statistics from the PSQL database and utilize SQL queries to collect important statistics such as the average amount of idle CPU time across various machines over select periods.

Core Java Apps [GitHub]: Not Started

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

Web app for media (MotM) [GitHub]: Launched a social media platform utilizing Firebase, React, JavaScript, HTML, and CSS that helps users connect over their favourite pieces of media including movies, shows, video games, books, and music. Utilized Firebase Hosting and GitHub Actions to create live PRs and updates to a live site.

Web app (My Portfolio) [GitHub]: Established a portfolio site hosted via an EC2 instance, utilizing AWS CodeDeploy and Docker to host and make updates to the site. Implemented communication with various connecting clients via chat rooms with Node.js, Express, and socket.io. Dockerized the website in a container with client and server which was hosted on an EC2 instance.

Android Application (Pick-E-Eater) [GitHub]: Developed an Android application that helps picky eaters decide where to eat based on some provided filters. Implemented the application using Kotlin and Jetpack Compose.

Professional Experiences

Software Developer, Jarvis (2022-present): Engaged in diverse projects involving SQL, Linux, and Bash. Acquired hands-on experience and practical skills in these technologies to excel in software development tasks.

Math and Computer Science Tutor, Private and with a Company (2021-2022): Initiated and led comprehensive math tutoring programs as the Head Math Tutor, collaborating with a team to create study plans, problem sets, and innovative learning initiatives. Successfully provided concurrent tutoring sessions for multiple students, fostering a collaborative and supportive learning environment.

Application Security Analyst, CaseWare International (2020-2021): Orchestrated and enhanced security testing initiatives for applications, overseeing both Static Application Security Testing (SAST) and Dynamic Application Security Testing (DAST). Achieved a significant reduction of high vulnerabilities by 95-100% in each application. Coordinated automation jobs through Jenkins and Python, ensuring 100% scanning coverage, including containers and third-party tools. Implemented and refined security test cases using Cypress for integration into the CI/CD pipeline, evaluating endpoints for authorization, authentication, and other critical security aspects. Provided support to developers and stakeholders, contributing to SOC2 compliance and minimizing the risk register. Other technologies used include: JavaScript/TypeScript, Jenkins, BurpSuite, OWASP Zap, Veracode, Github/GitHub Actions, Postman, AWS.

Education

University of Toronto (2017-2022), Bachelor of Science, Computer Science (Specialist) - University of Toronto Entrance Award - GPA: 3.1/4.0

Miscellaneous

- Reading
- Art
- Automation
- Music
- TV Shows and Movies