

Gabriel Wilmoth

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OBJECTIVE

- An Engineering position in which I will further my leadership, problem solving, and development skills. Seeking to provide scalable, performant, and resilient enterprise level solutions through a modern approach.

EXPERIENCE

Walmart Global Technology

Bentonville, AK

Apr 2021 - Present

June 2020 - Apr 2021

- *Software Engineer II*
Software Engineer

- Secured Internal Micro-services and APIs via Istio
- Migrated Micro-services deployed on OpenStack to Azure/GCP Cloud via Docker and Kubernetes
- Built numerous APIs supporting business needs to modernize the accounting office process in international Walmart store's
- Built out an Auth framework for a ReactJS UI Deployed in International Walmart Stores allowing migration from a legacy solution
- Design and POC several new architectures and solutions. One being a backend for frontend proxy, reducing single points of failure, while increasing application scalability and security
- Performed in the Team/Technical Lead role, acting as the area subject matter expert for a Full Stack solution. Closely working with business partners to conform requirements into scalable, resilient, and high throughput solutions
- Maintain and Develop high throughput and concurrent FinTech applications to persist data from Global Walmart stores as they close for a given business date. Using Apache Kafka, Akka Streams, FSM, Actors, Persistence, Cluster Sharding, NoSQL, SQL, and Play.

Old Dominion Freight Line

Thomasville, NC

Aug 2019 - Present

May 2019 - Aug 2019

- *Java Developer*

Mobile, API, and Web Development Intern

- Assist in Application Server migration from WebLogic to JBoss for 16 environments
- Built out validation system on OD4Mobile Android Application, currently on the play store
- Develop RESTful web service using XHTML, CSS, Javascript, Java, ORM, JPA, JSF, Maven, and Weblogic/JBoss
- Follow layered architecture principles to produce scalable, re-usable, and less expensive maintenance throughout the lifecycle

PROGRAMMING SKILLS

- **Languages:** Scala, React, JavaScript, Java, Python, Angular, SQL, C#, C, PHP, Prolog, Kotlin
- **Technologies:** Akka, Kafka, Play, CosmosDB, Cassandra, Docker, Kubernetes, Linux, Git, Maven, Spring

PROJECTS

- **Accounting Office Management:** Full Stack Solution built upon Docker, Kubernetes, ReactJS, Redux, Saga, MaterialUI, Scala, Akka, and Play. Modernizing the Accounting Office Process from a legacy mainframe to a ReactJS WebApp in the Cloud. The solution automates several processes from the legacy application and saves nearly 19K a year per store in operational costs. Functioning in the Technical Lead role for this project furthered my leadership, architecture, and systems design skills at scale. Some examples include POC's for Authentication, Proxies, Internationalization, and Chat Bots
- **Cloud Powered Accounting:** Micro-Service solution built on top of Docker, Kubernetes, Scala, Kafka, Akka, and Play. Consuming NRT sales events from Global Walmart stores and aggregating financial data into a centralized DB and SAP. Allowing business to scale down physical infrastructure and move the accounting process completely into the cloud. All the while providing real time monitoring, tableau dashboards for financials or store states, and replacing a monolithic solution.
- **External Pickup App:** WebApp backed by JSF and JBoss providing customers a simple and effective way to document individual items on a trailer and request when said trailer should be picked-up. Additional tools added for convenience such as allowing customers to upload spreadsheets of items on said trailer and download trailer metrics as well.
- **Internal Chargeback Tool:** WebApp backed by JSF and WebLogic that provides practical metrics about customer activity to support teams. Allowing the business to make critical decisions about customer acquisition and retention based off 30+ metrics.
- **Smooth Pack:** Android App using TensorFlow object detection to recognize items. Items are cross reference with a database of TSA allowed items to determine if they should be packed in carry on or checked luggage.
- **Veteran Job Finder:** WebApp backed by springboot, dialogFlow, Apache POI, etc. This application presents the user with an intuitive UI and asks a series of basic questions in order to find relative jobs in relative fields.
- **Discord "OP.GG Leauge" Bot:** Discord Bot using node.js and puppeteer to scrape data off requested website and respond with gathered data.

EDUCATION

The University of North Carolina at Greensboro

Greensboro, NC

- *Bachelors of Science in Computer Science; Minor Mathematics; Dean's List; GPA: 3.25*

May 2020