

## Work Experience

<b>Software Engineer II</b> <i>HR IT - Java Batch Job</i>	<b>USAA</b> Remote	<b>2021 - Present</b>
<ul style="list-style-type: none"><li>Created reusable java class for publishing HR messages from files, swiftly processing 100k+ messages of HR Data to baseline the datastore with most recent data.</li><li>Resolved OOM bug by tuning docker container resources and refactoring functions to use data streams instead of duplicated objects and inefficient looping, returning job to service.</li><li>Implemented alternate git branching strategy to deploy security hot-fixes, creating compliant code without backtracking efforts on work in progress features.</li><li>Configured job settings and schedules using Helm, simplifying deployments to scheduling system.</li></ul>		
<b>Software Engineer II</b> <i>HR IT - Data Modernization with Kafka</i>	<b>USAA</b> Phoenix, AZ	<b>2019 - 2021</b>
<ul style="list-style-type: none"><li>Decreased load on the transactional Kafka Producer Post endpoint by designing and implementing a bulk Post endpoint that publishes multiple messages to Kafka concurrently.</li><li>Implemented monitoring and alerting with Prometheus and Grafana for the HTTP endpoints by creating metrics, alerting rules and a dashboard, increasing visibility and decreasing response time for incidents.</li><li>Designed a bulk tokenization strategy, securing objects swiftly and efficiently with less api calls.</li><li>Created Avro schemas used to validate Kafka messages before publishing them to Kafka, ensuring data integrity of published messages.</li><li>Designed importable package to abstract the complexities of detokenization of HR Kafka messages for internal consumers.</li><li>Designed and created unit and regression tests for the api, increasing the speed of validation of new work.</li></ul>		
<b>Software Engineer III</b> <i>Corporate Infrastructure</i>	<b>USAA</b> Phoenix, AZ	<b>2018 - 2019</b>
<ul style="list-style-type: none"><li>Designed and implemented a front end form utilizing dropdown menus allowing employees to indicate areas of physical pain they experience for use in internal ergonomic consultations.</li><li>Auto-populate form fields when possible using employee profile, creating a better user experience.</li></ul>		

## Technologies and Languages

- Languages: Java, React
- Technologies: Kafka, REST, Git, Prometheus, Grafana, Docker, CICD
- Other: Learning Elixir, Phoenix, GraphQL, Python

## Education and Certifications

- B.Sc. Computer Information Systems**, Arizona State University **2018**

## Projects

- Identicon Generator (Elixir)** - Generates identicon image based on an input string, Concepts: pattern matching, structs, I/O, cryptography
- Portfolio Site (React)** - Simple Bio website for myself. Concepts: react-router, form submission, bootstrap
- Zona Bets API (Elixir/Phoenix/GraphQL)** - Modify objects to support discord no-stakes betting bot. Concepts: GraphQL schemas and resolvers, Ecto migrations, contexts