

CHANDLER KLEIN

269-220-4010 | kleinc16@gmail.com | ChandlerKlein.com | GitHub.com/C94

EXPERIENCE

Software Engineer

Shelter Mutual Insurance

April 2021 – Present

Columbia, MO (Remote)

- Developed back end cloud applications using Spring Boot, SQL, and PCF to process user financial data
- Built and deployed high-volume batch processes utilizing RabbitMQ for end users
- Maintained the security of enterprise systems by upgrading application dependencies to newest versions

Web Technologies Teaching Assistant

Western Michigan University

Jan 2020 – May 2020

Kalamazoo, MI

- Graded and gave feedback on tests, quizzes, 150 assignments, and 48 web projects
- Provided students with materials covering HTML, CSS, JavaScript, PHP, and SQL

EDUCATION

Western Michigan University

Bachelor of Science in Computer Science

Kalamazoo, MI

Sep. 2017 – Dec 2020

- Coursework: Data and File Structures, Design and Analysis of Algorithms, Databases, Linear Algebra

PROJECTS

Form Digitization System | *Android, Java, Gradle, Linux*

- Designed and developed an Android application to securely fill out neuropsychology patient forms
- Used open source JSON libraries to dynamically generate documents
- Wrote a 25 page report covering requirements, analysis, and system design decisions
- Enabled handwriting recognition support by integrating MyScript technology

Message Queue Processor | *Spring Boot, Spring Cloud, RabbitMQ, Docker*

- Created a Spring Boot app to demonstrate modern, efficient processing of RabbitMQ messages
- Utilized Spring Cloud Function to make code more readable and maintainable

ExpenseTracker Application | *Spring Boot, Angular, SQL*

- Created a full-stack web application to track monthly expenses
- Used Spring Data to build simple and maintainable endpoints
- Designed front end user interface using Angular and Bootstrap

U.S. Highways Shortest Path Program | *Java*

- Created a program that finds the shortest path between over 90,000 locations using Dijkstra's algorithm
- Used data from the National Highway Planning network to evaluate real road data

Rosalind Bioinformatics Solutions | *Python*

- Solved Rosalind problems using Python and bioinformatics packages

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, JavaScript, SQL, R, HTML/CSS

Frameworks: Spring Boot, JUnit, Mockito

Developer Tools: Git, Docker, Jenkins, Pivotal Cloud Foundry, Postman, IntelliJ