

Gideon Wikina

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Education

BS Software Engineering, Rochester Institute of Technology (RIT), 3.56/4.00, December 2023

Experience

UI Engineering Intern | LinkedIn | September 2022 - December 2022

Manual reviews for password reset were inefficient for companies of large scale due to high cost and likelihood of human error. Designed system to limit the number of manual reviews where users do not have access to their primary email, with goal of retaining active users and cutting unnecessary costs.

- Analyzed alternative self-serve recovery options for regaining access to a user's account
- Designed a new user experience where secondary handles can be used for password reset
- Implemented the web experience that reduced the manual case volume by 20%
- Slashed costs by over \$153k, cutting manual cases by 9k and ID Verification submissions by 12k

Tools: Java, Dust.js, Javascript, HTML, CSS, Micro-services, Jira, Kanban, Git, CI/CD, Integration Testing

Software Engineering Intern | American Express | June 2022 - August 2022

Engineering effort can be wasted doing tasks that can be automated, such as manually manipulating large json files to define business processes. Implemented a platform where the business representatives of the company can add, update, and view business flows to relieve the engineers of having to make tedious json updates.

- Investigated methods for automating the creation of flow diagrams in a web application
- Iteratively deployed, implemented, and verified individual components in a micro-services environment
- Decreased development time by over 50% by leveraging an interactive front-end to update json

Tools: Java, React.js, Javascript, XML, Node.js, Micro-services, PostgreSQL, Postman API, BPMN2

Cloud Engineering Co-op | Chick-fil-A | August 2021 - December 2021

Invoice routing differs for each company and the company wanted to see if an internal solution would yield better results than an external solution. With a team of 4, worked to build a cloud solution to handle invoice routing operations.

- Researched databases that can be leveraged to store and recognize patterns in company invoices
- Engineered script that leveraged cloud services that analyzed text using machine learning
- Deployed cloud solution that had an accuracy rate of over 90%

Tools: Python, DynamoDB, AWS Textract, AWS Comprehend, EC2, Jira, Kanban, Docker, Git, CI/CD

Skills

- Stakeholder Communication & Presentation
- Engineering Self-Adaptive & Autonomic Systems
- Design of Scalable Solutions
- Software Architecture & Design Patterns
- Iterative Development & Deployment Toolchains
- Team development & Task Prioritization

Research

Research Education Undergraduate (REU) Software Research Assistant, RIT, June 2020 - August 2020

SrcSlice is a lightweight slicing tool used to gather dependency information about all variables in the system. Goal was to collect identifiers that are connected and to identify their names.

Tools: C++, XML, Unit Testing, Regression Testing, srcML, Debugging