**SOFTWARE PROJECTS**

A L E X

R O S A

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[AlexDotExe](https://github.com/AlexDotExe)

**Circle -***Social Network, Circle, October 2020-Present/ Lead Developer*

* Singlehandedly developed and deployed a social network using Spring Boot as the server and angular for the front end.
* Used swagger UI to automate API documentation and design.
* Configured an AWS RDS to host an Oracle SQL database that stores user information and authentication tokens.
* Used JWT to authenticate users with a signed private key from java KeyStore
* Utilized Lombok and Mapstruct libraries to automate the creation of constructor methods and mapping classes
* Used Singleton Pattern in manager objects to maintain only one object of them in memory.
* Used log4j for writing into Application and Error logs.

**Tuition Reimbursement Management System-** *REST Web App, Revature September-October 2020 Junior Developer*

* Used RESTful web services to expose certain functionalities of the application.
* Implemented Ajax, DOJO for asynchronous communication with server providing better user experience
* Used mainly Dispatch Action to control the wizard navigation.
* Developed the front end using JSP and HTML, CSS
* Involve in DAO Data Access Objects to retrieve data from database.
* Architectural, technical and functional understanding of the interfacing modules. Involved in different activities like design, deployment, unit testing and test case creation. Build and release co-ordination for different modules.
* Used Mockito and Junit to test functionality
* Used Eclipse Enterprise as IDE

**Car Dealership Application –** *Backend Java App, Revature, July-August 2020 Junior Developer*

* Used JDBC to modify an existing AWS Oracle database
* Design Database tables.
* Wrote SQL queries and stored procedures.
* Involved in Unit testing, System Testing and writing test cases.
* Apache Tomcat server administration.

**ZorkV-***Voice Controlled Video Game, University at Buffalo*

* Created a voice-interactive version of the game Zork using Java and C
* Created a protocol for which Java and C can communicate
* Expanded original user input range by connecting to web API for thesaurus.com and using synonyms as basis for connectivity

**Frontline Supervisor**

*United Postal Service, Buffalo, NY / November 2017 – May 2020*

* Led a team of 10-20 loaders/unloaders to meet production goals
* Utilized proprietary analytic software to devise goals for increasing productivity
* Ran and debugged a mechanically automated sorting system

**Leadership**

JDBC,

JSP, Servlets

SpringBoot/Maven

Hibernate

Oracle11g,/AWS RDS

**Bachelor of Science / CS**

University at Buffalo, 2017 - 2020

**Associate of Science /CS**

Borough of Manhattan CC 2014 - 2016

**EDUCATION**

**Technologies**

**Languages**

Java x86 Assembler

C/C++ Javascript

HTML/CSS

Angular 2+

Oracle SQL

**Highly Skilled and Proficient in:**

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Software Developer