EMEKA ASOLUKA

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PROFESSIONAL SUMMARY

Software Engineer that's passionate and ready to work. With a little over two years experience in the field I am still eager to learn and to help others learn. Will strive to consistently contribute to the success of the team. Enjoy problem solving and looking for the best solution. Building alone is fun, but when minds come together amazing technology is built.

SKILLS

- 2 years Angular experience
- Node JS, JavaScript, HTML, CSS, Java
- Object Oriented Programming
- Front end, back end, API's, HTTP Protocol
- Software Development
- Mathematics
- Code Testing,
- Algorithms
- Data Structures

SOFT SKILLS

Good work ethics, Critical thinking, problem solving skills, work well in teams, professional writing

WORK HISTORY

Tata Consultant Services
Software Engineer - Aurora, CO   09/2021 - 03/2024
- TCS is a consultant company which hires out it's employees to different companies and projects
- Projects tend to last 6 months+
- Working at TCS has allowed me to experience different parts of the software engineering field in my 2+ years working here

- My work experience at TCS has made me comfortable with front end development with the framework Angular but while here I have received Training on Microservice fundamentals and got hands on experience through projects and assignments

Tata Consultant Services
CitiBank - Aurora, CO   05/2022 - 01/2023
- Developed and maintained two web pages for CitiBank
- Used Angular as the main framework and Typescript as the main Language
- Even though I worked on frontend, most of the work was functional as opposed to aesthetic.
- Examples of things worked on: home/login page, sidebar, navbar, making content of page easily accessible, connecting front-end to back-end APIs, Having to solve dynamic problems that require unique algorithms.
- Our team used GitBucket as our repository and versioning tool.
- Collaborated within an agile team to continually integrate and deliver the service. With stand up meetings everyday and a meeting with the customer every two weeks.

Tata Consultant Services
Microservices and Google Cloud Platform Training - Aurora, CO   09/2021 - 11/2021
- Received Training on Microservice fundamentals and got hands-on experience through projects and assignments.
- A lot of the fundamentals taught in the course include microservices architecture, service discovery, API Gateway, database querying, circuit breaker, security, testing, monitoring and many other fundamentals.
- Received Training on Google Cloud Platform and got hands-on experience through labs offered by google.
- Completed courses include: "Google Cloud Fundamentals: Core Infrastructure", "Essential Google Cloud Infrastructure: Foundation", "Essential Google Cloud Infrastructure: Core Services", "Elastic Google Cloud Infrastructure: Scaling and Automation" and many labs aside from these courses.

Senior Project
Back And Front End Development Of MicroServices - Aurora, CO   12/2020 - 05/2021
- Team of 6.
- Initial goal was to break down a big monolithic code base for a company named FEV Tutors into many microservices. But after they refused to give us access to their code base (which they initially said they would) we changed the direction of the project and instead decided to make different microservices so we can demonstrate the power of a microservice architecture as opposed to a monolithic architecture.
- The services we made includes a User service which I did the work for, a scheduling service (to schedule appointments), a messaging service, and a notification service (which notifies the user of any appointments). We also used an API gateway to handle communication between the services and all incoming API requests from outside the server.
- The main language used for the back end is Node.js, we used VUE framework for the front end of some of the services and just basic html and CSS for others. MongoDB was the database used for the backend. Express gateway was used to implement the API gateway.
- This project helped me improve my knowledge and understanding of back-end development alongside some of the front end I worked on as well.

Lexical and Syntax Analyzer
Denver, CO
- Given a pascal(.pas) file containing plain text
- Performs a lexical and syntax analysis of the file and determine if it's correct according to the specified grammar (in the grammar.txt file)
- used an SLR table.
- languages used: Scala and pascal.
- How it works lexical Analyzer: the lexical Analyzer first breaks chars/words in the .pas file into tokens. These tokens are then analyzed and if any token that is not in the language is found the program is halted and the user is informed of the said token.
- How it works syntax Analyzer: first generate the SLR table, then parse the tokens through the SLR table and if the last token puts in an accept state in the table, then the syntax is correct, else the syntax is invalid.

EDUCATION

Bachelor of Science: Computer Science
Metropolitan State University of Denver - Denver, CO   05/2021

Academic Minor Degree: Mathematics
Metropolitan State University of Denver - Denver, CO   05/2021