Dayo Asaolu
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Github:https://github.com/DayoAsaolu?tab=repositories

SUMMARY

Graduate of computer science with practical experiences in web development, as well as back-end development which were gained through several coursework and projects. Proficient in Python, Java, AWS, JavaScript, Linux OS, and possess the ability to collaborate within a team.

Software Skills

- **Language:** Python, Java, JavaScript, Shell Script, SQL
- **Operating System**: Windows OS, Linux OS
- **Software development practices**: Agile, Code Integration and Code Pipeline (CI/CD), Dependency Injection
- **Tools**: AWS, Docker, REST-API, Blender, WebGL, Vs Code.
- **Frameworks**: Django, Flask, React, Spring Boot

Soft Skills

- **Communication**
- **Collaboration**
- **Organization**
- **Time Management**
- **Problem solving**

EDUCATION

B.Sc. Computer Science **Jan 2015 – Sept 2020**
Memorial University Of Newfoundland, Newfoundland, Canada.

Software Developer, 3D Graphics - Team Project **Jan 2020 – Apr 2020**
Student at Memorial University Of Newfoundland - St. John's, NL

- Designed a virtual museum, tessellation and twist, and app to simulate light in webgl.
- Implemented gl-matrix - High performance matrix and vector operations library.
- Develop 3D models with blender, .Obj/3DS files with Blender & Converting into FBX/JSON.
- Solid foundation in Linear Algebra, matrix manipulation and algorithms.

Software Developer, Game Development - Team Project **Jan 2020 – Apr 2020**
Student at Memorial University Of Newfoundland - St. John's, NL

- Design a web-based game using NodeJs/Mongodb/HTML5/JavaScript
- Implemented NoSQL database (Mongodb) to store game data.
- Documented the features and functionalities of the game application
- Designed part of the level editor functionalities.
- Presented the developed web application to other course mates

Software Developer, Visual Computing and Applications **Jan 2020 – Apr 2020**
Student at Memorial University Of Newfoundland - St. John's, NL

- Designed image Histogram app and corner detection app.
- Implemented: linear convolution, kernel, image gradient to process images.
- Implemented mean, median and kuwahara filter to smoothing image.
- Implemented manual, mean, median thresholding and Otsu's method to image.

PERSONAL PROJECTS

PORTFOLIO WEBSITE - https://dayoasaolu.com **AUG 2020 – PRESENT**

- Used the following technologies: AWS EC2, Route 53, CodePipeline, ElasticBeanStalk, Certificate Manager(SSL/TLS), domain, S3 Buckets, GitHub, VS Code, CSS, HTML, CloudFront.
- Created an EC2 instance via AWS console.
- Created AWS codepipeline from github repo to AWS S3 Bucket.
- Route subdomain to domain. www.dayoasaolu.com -> dayoasaolu.com
- Encrypted domain name using AWS certificate manager (SSL/TLS).
- Wrote shell script to automate code git commands. (add, commit, push)
- Troubleshoot codepipeline, S3, Cloudfront issues using AWS console.

ATTENDANCE SOFTWARE - https://confident-khorana-ee346a.netlify.app/

- Developed full stack MERN app.
- Used tools - React Js, nodejs, mongoose, mongodb atlas, express, netlify, redux, axios, heroku
- Used Axios makes it easy to send asynchronous HTTP requests to REST endpoints and perform CRUD operations.
- Design and Tested Rest-API endpoints using postman
- Used Redux is used mostly for application state management
- Developed back end in node js and deployed on heroku.
- Built front end using npm and deployed on netlify.
- Implemented material-ui module in front-end

WHATSAPP BOT - https://dayobot.herokuapp.com/

- This is a Whatsapp bot built using the flask framework.
- Tools used include Twillo. API - UnSplash API, numbersAPI, cataas API, dog API, weatherAPI.
- Used ngork and Postman during development.

PROFESSIONAL TRAININGS AND CERTIFICATIONS

- Coursera Data Science Orientation

System Technician - VOLUNTEER WORK
Deeper Life Bible Church - Canada **Sept 2017 - Present**

- Involved in installing - public address system, projector and projector screen.
- Designed attendance software using python.
- Worked alone or in groups every week as a computer analyst, providing support, collecting and analysing data and information on attendance and charity funds.

REFERENCES
Available upon request.