Theophilus A. Appau-Nkansah

208-710-6879 | Portfolio | Email | LinkedIn

EDUCATION

B.S., Software Engineering | Minor: Data Science | Brigham Young University – Idaho | GPA: 3.96   Sep 2018 - Dec 2021
- Android Mobile App Development Society - BYU-I | Data Science Society
- Heber J. Grant Mentor Program: Mentored new students in goal setting and plans for academic success
- Academic / Project experience: Java, C++, C#, JavaScript, R, Python, SQL, Responsive Web Design, Data Structures, Git

WORK EXPERIENCE

Software Developer | *FlexSim Software Products Inc.* | Orem, Utah   April. 2021 – Present
- Cooperated efforts to develop web applications and components using PHP, Laravel / Livewire and Tailwind
- Leveraged Eloquent models for easier and faster interaction with database
- Wrote unit tests utilizing PHPUnit to ensure quality and maintainable components and products.

Software Engineer | *The Church of Jesus Christ of Latter-day Saints* | Salt Lake City, Utah   Jan. 2021 – April 2021
- Partnered in developing of a web application and components utilizing React JS and Java
- Partnered with teammates utilizing GIT version control
- Wrote unit tests using jest and enzyme to ensure quality products.

Web & Full Stack Developer | *BuildingFit* | Salt Lake City, Utah   Sept. 2020 – Dec. 2020
- Cooperated team efforts to create modern responsive company website in an agile development environment
- Leveraged HTML, CSS, JavaScript and WordPress to build a website consistent with UX design best practices.
- Implemented effective SEO principles to attract more useful web traffic.

Administrative Assistant | *BYU-Idaho Av Production Student* | Rexburg, ID   July 2019 - Present
- Devised a NodeJS web application to track work hours and tasks assigned to employees. Source Code
- Boosted workflow and efficiency with monthly inventory sheets employing Microsoft office tools.
- Process audio files with Avid Pro Tools to enhance consumer satisfaction and engagement by 99%

Managing Director / Graphic Designer | *Excess Era* | Accra, Ghana   Jan. 2011 – Sept. 2018
- Negotiated constructively with clients to boost patronage by 5% over 4 months
- Created new designs through creative thinking to retain 80% of new customers and consumers
- Increased customer satisfaction through creative use of Adobe Photoshop, Adobe Illustrator and Blender 3D

Assistant Director | *Rogmoth Ventures Ltd* | Accra, Ghana   March 2012 - July 2016
- Conducted and presided over meetings of about 20 people to enhance customer trust and satisfaction
- Facilitated one on one training in team work and communication skills to raise output by about 12%
- Saved company GHC53,450 ($10,000) through detailed analysis of contracts to improve problem solving skills

VOLUNTEER EXPERIENCE

Web Developer | *BuildingFit* | Salt Lake City, Utah   April 2020 - July 2020
- Leveraged HTML, CSS, JavaScript and WordPress to build a website consistent with UX design best practices
- Collaborate efforts through regular meetings and consultation in an agile development environment
- Implemented effective SEO principles to attract more useful web traffic to company website

PROJECTS

Data Science Engineer | Year Predictor   Jun 2021 - Jun 2021
- Created a machine learning model that predicts the year a house was built based on some variables provided by the data. It also looks at some possible relationships between the various variables. The model uses python libraries such as pandas, numpy, seaborn, altair and sklearn. Source code

Full Stack Developer | ASKAS   Sep 2020 - Sep 2020
- Designed and built a web application with NodeJS, EJS, CSS, HTML5 and MongoDB to track employee work hours and tasks. The application utilizes route protection to serve an admin dashboard for administrators. Source code

Software Architect & Developer | EquipMe   Jul 2020 - Aug 2020

- Collaborated on a three-person team to design and develop an android app in Java by applying Software Architecture, Object Oriented Programming (OOP), UX Design, and Software Documentation. The application tracks inventory of company tools and employees. Users are able to add tools and assign to employees. Source code

Full Stack Developer | C9ForLife   Jun 2020 - Aug 2020

- Designed and developed a web application using NodeJS, HTML5, CSS and MongoDB to provide an environment for victims of trauma and depression to interact with an admin who coordinates activities. It follows the MVC pattern, includes route protection, user authentication, password encryption, form validation, error handling, protection against CSRF attacks and performs CRUD operations. Source code