Emmanuel Madu

Security Engineer

An enthusiastic Security Engineer that is cleared to a high Government standard with great verbal and written communication skills. Comfortable working in a fast-paced environment. Engaged in critical tasks to up-keep the overall security of multiple business units within the organisation. Cloud enthusiast who keeps up with security focus technologies.

Education

BSC Computer Science (First Class)

Sheffield Hallam University | September 2017 - May 2021

Alevel Maths, Computer Science, ICT (C)

Halesowen College | Sept 2015 - June 2017

Contacts

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Skills

Proficient = [Java, C#, Python, JavaScript, Clojure];
Familiar = [C++, C, Golang];

Tools

Node.js, React Native, Google Cloud, AWS EC2, AWS S3, AWS SES, Docker, CUDA, Tensorflow, Linux, Lambda, MySQL, Jira, Git, HTML, CSS, Django, Flask, Vue.js, Kubernetes, Ubuntu, Terraform, GiantSwarm, Sonarqube

Achievements

[1st Place] **Sheffield MLH 2020**, Worked with a team to build an online VR 3D Art gallery.
[ThreeJS, WebGL, CockroachDB]

[1st Place] **Sheffield MLH 2019**, Woked with a team to build a banking application to help children learn about banking and savings.
[Android Studio, JAVA, SQL]

Mid Application Security Engineer | Zoopla

London, Dec 2022 - Present   [Php, Perl, C++, dotnet , GoLang, Python, SQL, JavaScript]

• Performed security threat modelling, risk assessments, and used vulnerability management tools to help prioritise risks.
• Educated software engineers on application security best practices and secure coding techniques, helping to shift security left in the development lifecycle.
• Led the rollout of SAST and custom vulnerability visibility tools
• Performed penetration tests on internal and public facing products

Application Security Engineer | The Hut Group

Manchester, July 2021 - Dec 2022   [Java Spring, Angular, GoLang, Python, SQL, JavaScript]

• Ensured the secure SDLC was introduced and implemented for 200+ developers.
• Worked with security champions and developers to identify, research, fix and test vulnerabilities.
• Performed AppSec and JavaScript reviews for new services, products and technologies.
• Reviewing code, threat modelling and performing security testing as necessary.
• Developed an internal tool to monitor the security status of all repositories concurrently with merge requests and pushes to master.

Space, Defence and Intelligence Intern | CGI

Reading, July 2019 - Sept 2020   [Java Spring, Blackduck, Sonarqube, SVN]

• Operated as a DevSecOps Engineer, Junior Java Developer and Junior Data scientist and even assisted as SharePoint Developer.
• Designed and engineered scripts and tools to automate burdens in python. Had a hands-on experience with tools and technologies such as SonarQube, Maven, certification/SSL, Jenkins, Ansible, SVN, Nexus, Jira, Fisheye and Blackduck. Maintained infrastructure for 100+ developers
• Collaborated with a team of 10+ developers to build an internal simulation tool in Java Spring. Administered all Agile/Scrum processes including sprint planning, daily scrums, sprint reviews and sprint retrospectives, coached new team members on the Agile process.

App Engineer | Team Null (Freelancer)

Dec 2019 - Present

• Developed an Android and iOS app for a client using React Native and Expo. Gained experience in using source control with different collaborators.
• Successfully integrated cloud services for user management, reservation management, payments.

Cool Projects

Kayge   [WebRTC, Flask,Node, ExpressJS, JavaScript, React, Typescript, TensorFlow, Python]

Created a Video Conferencing Tool that allows users in different locations to hold real-time face-to-face meetings, whilst checking their facial expressions and displaying an emoji to represent the expression in real time. Indended usecase is for autistic students

Code Battles   [JavaScript, React, Nakama, Express, PM2, judge0, GoLang]

Created a battle royale style game for coding where users can play against other players in different locations and compete to solve leet code like questions the fastest.