KINGSON CHINEDU ODOGWU

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I am interested in digital forensics and information security. I am keen on playing my part in making the world (and data) more secure and safer. My skillset are in the areas of incident response, network analysis, reverse-engineering, malware analysis, digital forensics, penetration testing, information security, and software engineering.

Education

MSc. in digital investigation & forensic computing, University College Dublin, Ireland, 2018-2019
- Expected GPA: 3.68 / 4.20 (1st Class Honours)

BEng. (Hons) in software engineering, Athlone Institute of Technology, Ireland, 2017-2018
- Grade: 75.3% (1st Class Honours)

Higher National Diploma in computer science, Yaba College of Technology, Nigeria, 2009-2010
- GPA: 3.10 / 4.00 (Upper Credit)

National Diploma in computer science, Yaba College of Technology, Nigeria, 2005-2007
- GPA: 3.15 / 4.00 (Upper Credit)

Technical skills

Information Security & DF/IR tools & knowledge
- AccessData FTK Imager
- Autopsy
- Burp Suite Community Edition
- HxD Hex Editor
- IDA Pro
- Log analysis
- Log Parser Studio
- OllyDbg
- Penetration testing
- ProcExp
- Reverse engineering
- Wireshark
- The Cyber Kill Chain

Programming languages & databases
- JavaScript
- Java
- C
- x86 Assembly language (FASM & MASM)
- SQL
- MySQL
- SQL Server

Operating systems I am comfortable with
- Windows
- Linux-based OS (Debian, Fedora and Ubuntu)

Microsoft Office
- Word
- Excel
- PowerPoint

Work experience

Research assistant, University College Dublin (UCD), Ireland (January 2019 – present)
- Working on academic research and digital forensics related projects, in UCD School of Computer Science. These projects includes a toolkit that offers a rich set of capabilities ranging from procedures such as file carving and timeline generation to automated analysis of texts and media

Student intern, Athlone Institute of Technology, Ireland (May 2018 – August 2018)
- Worked in the Software Research Institute of Athlone Institute of Technology, fixing errors and implementing new features for a cloud-based logger application project

Senior application developer, Deepblue Technologies, Nigeria (August 2016 – July 2017)
- Worked on revising and updating a learning assistant software application
- Created and maintained software applications for the company

Software engineer, Kyteshop, Nigeria (January 2015 – July 2016)
- Worked as a freelance software engineer with teams from other organisations on their projects, which included building a chat software application

- Trained staff of a small business on the core web technologies, that is HTML, CSS, and JavaScript

Senior software developer, High Tech Synergy, Lagos, Nigeria (December 2010 – September 2014)
- Worked on the company's flagship product. I created and modified the application's business logic
- Worked with the team of a client, revising and refining existing software application functionalities

Projects

Disassembly of a Windows executable
- Reverse-engineered a Windows PE executable to determine what the tasks it was created to perform
- IDA Pro and OllyDbg were used in carrying out this reverse engineering exercise

Accessing network traffic
- Configured Wireshark for the decryption of TLS content of a PCAP file using an encryption key data

Analysis of OpenStack log files
- Investigated log files from an OpenStack installation on servers, which captured suspected illegal activities within a certain timeframe

Log analysis with Log Parser Studio
- Explored and analysed a given set of webserver logs using Log Parser Studio

Penetration testing
- Performed penetration tests on a web application for Enders & Yang, a fictional organisation, assessing the security of the web application against cyberattacks
- Burp Suite Community Edition was used in this penetration testing exercise

An investigation into (simulated) suspected terrorist recruitment activities
- Investigated the recruitment activities of a suspect and a recruit, using digital forensic techniques
- AccessData FTK Imager and Autopsy were the digital forensic tools I used in this project

Weather web app
- Created a web app that presents weather information for a searched area.
- HTML, CSS, JavaScript, and OpenWeatherMap APIs where used in creating the software application

Bicycle sales register app
- Created a simple desktop app for registering bicycle sales
- Created variations of this application using Java, SQL and MySQL, binary search tree and hash table data structures, and distributed software system concepts

Sterling coin count
- Created a game that involves counting pennies and providing pound sterling coin amounts as answers
- CSS, React, webpack, JavaScript, and Node.js were used in creating the software application

Honours and awards
- 26th position in ZeroDays CTF 2019 team activity
- MongoDB University Course Completion Confirmation Certificate, October 2016

Extra-curricular activities and hobbies
- Member of two student societies at UCD, the International Student Society and Net Society
- Solving puzzles and riddles, reading books, and watching TED Talks
- Playing and watching football (soccer)