

Kingson Chinedu Odogwu

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EDUCATION

University College Dublin

Master of Science in Digital Investigation and Forensic Computing

Belfield, Dublin 4, Ireland

September 2018 – Present

- ✓ Currently enrolled in this graduate student programme that covers all aspects of digital investigations from legislation and crime scene processing to digital forensics, reverse engineering, and forensic reporting. We also learn how to prevent re-occurrence of incidents by applying appropriate information security countermeasures. The information security component covers key technical elements of modern network security technology, information security management, and penetration testing

Athlone Institute of Technology

Bachelor of Engineering (Honours) in Software Engineering – First Class Honours

Athlone, Co. Westmeath, Ireland

September 2017 – June 2018

- ✓ Was enrolled in modules that looked into software design and data structures, databases, client-side programming (HTML, XML, CSS, JavaScript), distributed software systems, cryptography and security, Agile methodology, networks, and more
- ✓ Some in-class projects I created during this study programme included:
 - Weather Web App: A web app built using HTML, CSS, JS, OpenWeatherMap APIs, and Chart.js, that presents weather information for a searched area (url: <https://github.com/kcodogwu/weather-web-app>)
 - Bicycle Sales Register Apps: Variations of an app for registering bicycle sales, all built with Java programming language. The 1st version uses MySQL for persistence (url: <https://github.com/kcodogwu/bicycle-sales-register-app>), the 2nd version uses a binary search tree and a hash table for persistence (url: <https://github.com/kcodogwu/bicycle-sales-register-version-2>), the 3rd version uses JAXB, JAX-RS, and HSQLDB for persistence (url: <https://github.com/kcodogwu/bicycle-sales-register-version-3>)
- ✓ Final year project, titled “Microservices: A Software Architecture Pattern”, was an exploration into the microservices software architecture pattern, comparing it to other patterns, especially the monolithic pattern. Also built Euro Coin Count, an app to demonstrate my research for this project. It was built using Docker, HTML, CSS, JavaScript, Node.js runtime, Redis, Express and other required Node.js modules for this project (url: <https://github.com/kcodogwu/euro-coin-count>)
- ✓ Was part of the AIT International Student Society

Yaba College of Technology

Higher National Diploma in Computer Science – Upper Credit

Yaba, Lagos, Nigeria

February 2009 – October 2010

- ✓ Was enrolled in modules that explored computer programming, Assembly Language, Operating Systems, Assembly Language, database designing, object-oriented programming, data communications and networks, and more
- ✓ Was also a part of the Nigerian Association of Computer Science Students (NACOSS)

Yaba College of Technology

National Diploma in Computer Science – Upper Credit

Yaba, Lagos, Nigeria

May 2005 – November 2007

- ✓ Was enrolled in modules that covered introductions to Basic Language, C++, Assembly Language, Java programming, and more
- ✓ Was also a part of the Nigerian Association of Computer Science Students (NACOSS)

WORK EXPERIENCE

Athlone Institute of Technology **Athlone, Co. Westmeath, Ireland** **May 2018 – August 2018**

- ✓ Worked in the Software Research Institute of Athlone Institute of Technology as a Student Intern, and supported and contributed to a cloud-based logger application project for Capital Water System Limited, which was deployed on Amazon Web Services, fixing errors and defects in code, and implementing new features. Software technologies like Bash, Java, Spring, Gradle, Docker and MySQL, were used in building and maintaining the project

Deepblue Technologies **Victoria Island, Lagos, Nigeria** **August 2016 – July 2017**

- ✓ Part of a team that maintained, supported and built software applications that met the above mentioned company's goals. Revised and updated a Learning Assistant App, which was an Android Mobile App built with AngularJS, Ionic, C# and ASP.NET Web API

Kyteshop **Festac Town, Lagos, Nigeria** **January 2015 – July 2016**

- ✓ Set up a business to work as a freelance software engineer
- ✓ Trained staff of a small business on the core web technologies, that is Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript
- ✓ Worked with teams from other organisations on their projects, which included building a chat app using JavaScript, Node.js, Socket.IO and MongoDB

High Tech Synergy **Ikeja, Lagos, Nigeria** **December 2010 – September 2014**

- ✓ Part of a team that mainly worked on the above mentioned company's flagship product, HTSFinancials (now called Trade Automation Solution, <http://www.hts.com.ng/tradeautomation.html>), creating and maintaining business logic on this ASP.NET web app, in Stored Procedures, Functions and other Database Objects in Microsoft SQL Server
- ✓ Worked with the team of a client, Courteville Business Solution Plc., on their software projects, the outstanding project being AutoReg™ Motor Vehicle Administration Documentation (<https://vreg.autoreglive.com>) revising business logic to handle the management of vehicle registration related documents on this ASP.NET web app, in Stored Procedures, Functions and other Database Objects in Microsoft SQL Server

TECHNICAL KNOWLEDGE AND SKILLS

- ✓ Programming languages, libraries, & applications I have worked with: JavaScript, HTML, CSS, C#, VB, SQL, Java, React, Express.js, Handlebars, Node.js, Git, Github, Bitbucket, jQuery, .NET Framework, Spring Framework, Bash and Docker
- ✓ Databases I have worked with: MySQL, SQL Server, and MongoDB
- ✓ Software engineering concepts I am familiar with: Product backlog and user stories, scrum and working in sprints, web user interface components, API development, n-tier architecture, Model-View-Controller, and Ajax
- ✓ Documentation and presentation software I have worked with: Microsoft Office Word and Microsoft Office Powerpoint

ACHIEVEMENTS AND INTERESTS

- ✓ MongoDB University Course Completion Confirmation Certificate, October 2016 (<http://bit.ly/2HGqFNf>)
- ✓ Smart discussions | Puzzles | Riddles | Football (Soccer) | Reading | Watching TED Talks