

# Michael Nchor

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**summary** I am a Software Engineer with experience in C# (.NET) and Javascript (React). I write elegant efficient code with principles such as SOLID, KISS, YAGNI, DRY etc. I have experience in using Backend Technologies like Docker, Elastic Search, Redis, PostgreSQL, MongoDB also Background Services, Jobs, API's with .NET. Also built backends with Node and Express. Built projects with Frontend technologies including React, Next JS, P5.JS. I am willing to work to develop both myself and any company I find myself in. I am hardworking, diligent and dedicated to see all my projects through. I have a degree in Mathematics of the Kwame Nkrumah University of Science and Technology, Ghana, and a Computer Science student of the University of London, United Kingdom (Online).

## Skills

C#.NET, ReactJS, Javascript, NodeJS, ExpressJS, MongoDB, PostgreSQL, SQL(Server), P5.JS, Tailwind, Bootstrap, Wordpress, HTML, CSS, Python, R, MATLAB, C, Bash, Latex, Git, Github, Azure DevOps, Web Development, Data Analysis, Parallel Computing, Ubuntu, E-R Modelling in IDERA ER studio.

## Experience

### Hubtel.com

Accra, Ghana

#### SOFTWARE ENGINEER (BACKEND)

Oct. 2024 - PRESENT

- Contributed to the codebase and Developed Api's, Jobs and Consumers in **C# using the .NET** framework.
- Worked in the Health and User Accounts team where I contributed to the codebase by developing new features, addressing bugs and unit testing.
- Wrote elegant code using principles such as **SOLID, YAGNI, KISS, DRY**
- Participated in weekly team presentations where we gave updates of our work over the work week.
- Worked with include **Azure DevOps, Redis, Elastic Search, Kafka, SDKs, Signal R, Quartz Jobs Scheduling, PostgreSQL and Unit Testing.**

### University Information Technology Services (UITS)

Kumasi, Ghana

#### SOFTWARE DEVELOPER (NATIONAL SERVICE)

Oct. 2022 - Oct. 2024

- Developed Web Applications in **C# using the .NET** framework.
- A Student File Management System to help manage student's prospective application information and documents.
- Collaborated with a colleague to develop a Student Card Management System to help Students of KNUST identify themselves with digital ID cards which can be scanned to verify student status.
- Performed Extensive research and Built projects using **Repository Service Patterns, Microservices Architecture, Actor Model with Akka.NET, Signal R, SQL Stores procedures, Jobs, Views, along etc** along with several **.NET** mini projects
- Testing and Data Entry for a timetable application to help departments in KNUST schedule classes and meetings efficiently.
- Development of a Shopping Cart Application.
- Managing Transcript requests on the KNUST Transcript System
- Research on ESP's Journals and Cloud Computing.

### International Learning Planners(ILP Overseas)

India

#### DIGITAL MARKETING (INTERNSHIP)

Nov. 2021 - Apr. 2022

- Won Best Performer Premium Certificate for Dec. 2021 and Jan. 2022
- Promoted from intern to Team Leader Officer, Team Leader Manager and Head of Department for Digital Marketing Domain
- Produced Blogs, SEO and Engaging Content (Videos and Posters) for ILP Overseas website and Social Media Platforms that boosted publicity. The tools and applications used were **Canva, Photoshop, Screaming Frog**

### Freelance

#### WEB AND SOFTWARE DEVELOPMENT FREELANCING

Part-time

- Build web Applications for clients and teach how to code.

### Youtube

#### VOLUNTEERING

Part-time

- I started a YouTube channel called Mike's Code Journal where I upload videos on programming concepts.

## Projects

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### Hubtel Health Project

Hybrid

BACKEND ENGINEER

Oct. 2023 - Present

- A Software as a Service (SAAS) application designed to streamline personnel and patient management within hospital settings. Currently in active use at **Korle Bu Hospital** in Ghana, this application comprises three distinct portals: one for managing Caregivers (including roles such as Doctors, Nurses, and Revenue Officers), another for Patients, and a third for Finance Super Admins. The Caregiver Portal empowers healthcare professionals to efficiently oversee patients and resources, offering features such as patient management, inventory control, and performance reporting. Utilizing various communication channels including **USSD, SMS, and Push notifications**, as well as facilitating payments through our payment provider **CBG Bank**. In my role, I contributed to the codebase by developing new features and addressing bugs, implemented a consumer for analytics across the three portals, established integration with banking APIs to facilitate connections between financial institutions and healthcare providers, and authored unit tests for product services. The project's frontend is developed in **Next.js**, while the backend is powered by **.NET**.

### Leasify

Remote

FRONTEND DEVELOPER

Feb. 2024 - June/July, 2024

- Developed a Property Management System using **Node and Express.js** with key features including: **Tenant Management**: Lease handling, rent collection, communication, and maintenance. **Financial Tracking**: Record payments, generate reports, and track expenses. **Maintenance Requests**: Easy submission and status tracking. **Document Access**: Secure storage with version control. **Dashboards and Reports**: Key metrics and financial summaries. Communication Tools: Integrated messaging.

### University Timetable Application

Kumasi, Ghana

DOTNET DEVELOPER

June. 2023 - July, 2023

- An Application to give an optimised application to help schedule optimised timetable to all classes in Kwame Nkrumah University of Science and Technology. This solution minimised the unavailability of rooms for classes. Admins can create, retrieve, edit and delete schedules, publish and print timetable based on the selected programme schedule. This Application utilised many technologies such as SQL Views, Stored Procedures, Jobs etc. Built with the Repository Service Pattern thus consists of components in **C# ASP.NET API, MVC and .NET Blazor with Syncfusion Frontend Library**.

### Superstore Application

Kumasi, Ghana

SOLO DEVELOPER

Feb. 2023 - Apr. 2023

- A Complete Online store Application with **Authentication and Authorization, Admin and User routes, Paypal Payment, Currency change, product review and more**. Built with **ExpressJS, NodeJS, MongoDB, EJS Templating, HTML, CSS and Javascript**.

## Education

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### Goldsmiths University of London

UK

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Sept. 2019 to Present

- Web Development, Introduction to Programming I, II, Object-Oriented Programming, Algorithms and Data Structures, Google It Professional

### Kwame Nkrumah University of Science and Technology

Kumasi, Ghana

BACHELOR OF SCIENCE IN MATHEMATICS, CWA 77.11 (FIRST CLASS HONS)

Sept. 2018 to Nov. 2022

- Scientific Computing, Numerical Analysis, Mathematical Programming

### ALX Software Engineering Programme

Ghana

SOFTWARE ENGINEERING CERTIFICATE

Jan. 2023 to Present

- Restful APIs, ES6, ReactJS, Redux

## Certificates

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### Google IT Professional Certificate

COURSERA.COM

Aug. 2020 - Oct. 2020

- IT Security, Technical Support Fundamentals, Operating Systems, Computer Networking and System Administration and IT Infrastructure Certificates

## Responsive Web Design Certificate

FREECODECAMP.COM

Sept. 2021 - Oct. 2021

- Completed self paced program on Freecodecamp.com

## Achievements

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### Organising Secretary of the Association of Mathematics

KNUST

Jan. 2021 - Sept. 2022

- Voted the Organising Secretary of the Association of Mathematics, KNUST.

### Winner of Contest 1 of an Inter-departmental Quiz

KNUST

Jul. 2021 - Jul. 2021

- Co-contestant for Department of Mathematics and Winner of Contest 1, Prof. Amekuzi Inter-departmental Quiz 2021 between 11 departments College of Science, KNUST.

### Best Performer of the Month Premium Certificates

ILP OVERSEAS

Dec. 2021 - Jan. 2022

- Best performing intern during my time at ILP Overseas.

## Languages

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**Professional Proficiency**   English, Akan