

Nnaemeka Ronald Mbadiwe

Lagos, Nigeria

ron2tele@gmail.com • +234 813 773 9385 • <https://github.com/ron4fun>

EDUCATION

University of Nigeria, Nsukka

2010 – 2016

Bachelor of Engineering (B.Eng.), Mechanical Engineering

- Final Year Project: Re-instrumentation of Kaplan Turbo-Machine
- Gained strong foundation in numerical methods, control systems, and technical computing

Technical Skills

Languages Python, C++, C#, PHP, JavaScript, Dart

Frameworks & Tools: Django, Laravel, .NET, Git, React, Node.js

Databases: PostgreSQL, MySQL, SQLite

Others: Object-Oriented Programming, REST APIs, Regex, Web Development

PROFESSIONAL EXPERIENCE

Freelance Web Developer, JobberNaija.com & ThreeandThreeConsult.com

Present

- Built and maintained dynamic web applications using Python and Django.
- Delivered full-stack solutions including admin dashboards, job listing systems, and analytics tools.
- Implemented SEO-friendly designs and backend caching strategies, resulting in improved site performance and search visibility.

Backend Developer, Ugarsoft — www.ugarsoft.com

2019 – 2022

- Built scalable backend systems using C# and .NET.
- Integrated RESTful APIs and improved system architecture for business applications.
- Designed and implemented authentication and role-based access control for client portals, enhancing system security and user management.

Backend Developer, Raadaa — www.raadaa.com

2017 – 2018

- Developed server-side applications using PHP and Laravel.
- Helped maintain academic resource sharing platform and improved database access times by 25%.
- Collaborated with frontend developers to integrate backend APIs seamlessly, enhancing user experience and platform reliability.

PROJECTS

All projects hosted at: github.com/ron4fun

- **SharpHash:** C# hashing library with incremental support
- **HashLibPlus & HashLib4CPP:** Fluent C++ interfaces for hashing algorithms
- **SimplexPy & SimplexCPP:** Linear programming solvers in Python and C++
- **Byte-Size Converter:** A desktop utility to convert storage units
- **PatternFinder:** Pattern recognition in byte arrays
- **NumberToWord (C++):** Converts integers to English words
- **HashLib4Python-CPPWrapper:** Cython wrapper for high-performance C++ hashing library
- **xxHash:** Implementation of xxHash in Python and C++

INTERNSHIP / VOLUNTEER EXPERIENCE

IT Specialist Intern Dezern Nigeria Limited

2015

- Spearheaded the automation of internal reporting processes using Excel macros and Visual Basic, reducing report generation time by 50%.
- Diagnosed and resolved system-wide IT issues including LAN/WAN configuration errors, hardware troubleshooting, and software updates across departments.
- Supported implementation of a basic inventory management system using Microsoft Access and VBA, optimizing raw material tracking and minimizing stock discrepancies.

LEADERSHIP & EXTRACURRICULARS

- **Bootcamp Organizer (2021):** Hosted a mini web development bootcamp teaching HTML, CSS, and JavaScript to aspiring developers in Lagos
- **Sports & Wellness:** Active in yoga and soccer; promote physical wellness as part of a balanced tech lifestyle
- **Hobbies::** Acrobatic stunts, programming, gaming, and travel