

Madubuike Ekene Michael

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EDUCATION

Enugu State University of Science and Technology (ESUT)

October 2018 - December 2022

Bachelor of Science in Computer Science | GPA 4.45

Enugu State, Nigeria

Coursework: Data Structures & Algorithms, Software Engineering, Database Management, Operating Systems, Computer Networks, Web Development, System Analysis

EXPERIENCE

Integrated Health Program (IHP)

January 2024 - June 2024

IHP Facility Support Assistant (IFSA)

Isihelu L.G.A, Ebonyi, Nigeria

- Provided support to healthcare facilities, ensuring accurate documentation of service delivery data and reporting into Monthly Summary Forms (MSFs).
- Assisted in data quality assessments and monthly validation meetings, ensuring high standards of data accuracy and completeness.
- Supported the management of client flows, particularly in antenatal care (ANC) and immunization services, improving patient management processes.
- Contributed to tracking defaulters and maintaining good hygiene standards in supported health facilities.
- Assisted with IHP service-related activities such as Open Maternity Days and PHC Extension Services.
- Reported daily activities, challenges, and progress to supervisors and participated in monthly review and capacity-building sessions.
- Upheld client confidentiality, ensuring that all personal and sensitive information was handled carefully and respectfully.
- Maintained professionalism and dedication to duty, adhering strictly to IHP's ethical standards and guidelines.

GetCassava

August 2024 - November 2024

Backend Software Engineer (Internship)

Remote, Uganda

- Designed and developed APIs for product and order management.
- Implemented user management and authentication features to ensure secure access.
- Integrated PayPal as a payment gateway, enabling seamless transactions.
- Created comprehensive API documentation to streamline integration for the frontend team.

Agp Careers

March 2024 - July 2024

Backend Software Engineer (Contract)

Remote, US

- Enhanced the authentication and authorization system to improve security and user access control.
- Designed APIs for job application management, allowing applicants to easily apply for positions.
- Developed APIs for job creation on the employer side, streamlining the job posting process.
- Implemented instant messaging using WebSockets, enabling real-time communication between users.
- Optimized API requests by integrating Redis caching, reducing response times and improving overall performance.
- Deployed APIs to Render, ensuring a stable and scalable production environment.
- Set up CI/CD pipelines to automate testing, deployment, and updates, streamlining the development workflow and minimizing downtime.

Genesys Tech Hub

September 2021 – March 2022

Software Engineer (Internship)

Enugu, Nigeria

- Fixed bugs in server-side code to ensure smooth application functionality and optimize performance.
- Developed server-side code following best practices to handle client requests and return appropriate responses.
- Designed and built APIs to facilitate seamless communication between the frontend and backend, allowing efficient data exchange between systems.
- Implemented unit and integration tests to verify the reliability and accuracy of the APIs.

- Enforced necessary security measures, including authentication and authorization mechanisms, to protect sensitive data and control access to specific features.
- Created detailed and comprehensive documentation for all APIs, ensuring clarity and ease of use for developers.

Aptech Enugu

June 2020 – February 2021

Software Engineer Intern

Enugu, Nigeria

- Collaborated with a team to design and develop responsive web pages using HTML, CSS, and Bootstrap, ensuring an intuitive user interface across devices.
- Assisted in implementing PHP functionality to add interactivity and dynamic content, enhancing user engagement.
- Conducted comprehensive testing to ensure cross-browser compatibility and optimal performance.
- Contributed to website maintenance and updates, including content management and bug fixes, ensuring smooth operation and consistent user satisfaction.

SKILLS

Programming Languages: Javascript, Typescript, Python, Java, SQL, C#, C++, HTML, CSS

Frameworks & Tools: Reactjs, Node.js, Redux, .NET

Databases: MySQL, MongoDB

Operating Systems: Linux, Windows, Unix

Version Control: Git, GitHub, GitLab

Cloud & DevOps: Netlify, Vercel, Docker, CI/CD pipelines

PROJECTS

GetCassava | NextJs, Nodejs, Typescript

Aug 2024 - Dec 2024

At Get Cassava, I contributed to building an e-commerce platform aimed at revolutionizing the cassava supply chain in Uganda by connecting farmers directly with buyers. I designed and developed APIs for managing products, orders, and user profiles, with a secure authentication system to protect user data. I also integrated PayPal as a payment gateway, enabling safe transactions, and created comprehensive API documentation to support seamless frontend integration. My work helped create an accessible, secure platform that empowers farmers with direct access to the market.

AGP Careers | Nodejs, Javascript | Redis

I built a job board for AGP Careers designed to connect developers, designers, and marketers with top opportunities in the tech industry. My role focused on developing backend APIs to support core functionalities, including authentication, job creation and management (CRUD operations), and web socket integration for real-time chat. I also built APIs for both the applicant and employer dashboards, enabling seamless navigation and user-specific functionalities. Through my work, the platform offers a smooth, interactive experience for job seekers and employers alike.

TRAINING

Learnable Internship at Genesys Tech Hub Enugu
Enugu South Empowerment Scheme - Web development

September, 2022
November, 2020

REFERENCES

Available upon request