UMUKORO EMMANUEL OGHENERUKEVWE

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EDUCATION

University of Benin, Edo state, Nigeria
Programme: Bachelor of Engineering, Mechanical Engineering.
Academic Standing: First Class Graduate.
Dissertation: **Design and Fabrication of Electric motor from recycled materials for an Electronic Bike.**
Relevant Courses: **Engineering systems and dynamics,Engineering Mechanics,** Engineering Design, Engineering Mathematics

SKILLS AND INTEREST

- Programming Languages: **JavaScript**, **TypeScript**, **Flutter, Python**, SQL, HTML, and CSS, Java,**C++.**
- Frontend / Backend Stack: **NextJS, React-Vite ReactJS**, **G&M** machine coding / **Node.js, Express.js, NestJS**.
- Databases/ORMs: **PostgreSQL/Sequelize**, MongoDB/mongoose.
- **Google Cloud Platform (GCP)**: Experience with GCP services, such as **BigQuery** for data management and visualization.
- **Amazon Web Services (AWS)**: Experience with EC2, Cloudfront, S3 buckets and CI/CD deployment.
- Developer Tools: **Git, GitHub, Docker**
- Event driven architecture with **RabbitMQ, Bull MQ**
- Message Brokers & Caching: **Redis, RabbitMQ**

Tools and Platforms:
- **Sentry**: Used for error tracking and monitoring in applications.
- **Mixpanel**: Leveraged for analytics and user behavior tracking.
- **Intercom**: Familiarity with the Intercom platform for customer messaging and support.
- **Redis**: Knowledge of using Redis for caching and in-memory data storage.
- Testing Frameworks: **Mocha and Cha**i for writing and executing unit tests.
- streamIo/socketio/webRTC for real time chatting and video client

PROJECTS

PodX | On-chain Video Meeting Platform | *Github link* | *Project link*   Ongoing Personal Project.
- Creating s**mart contracts** for managing platform interactions and payments
- Developing a **Web3-enabled video conferencing platform** similar to Google Meet
- Building **real-time tipping features** for content creators during **live sessions** and Integrated blockchain wallet functionality for seamless transactions

Shop-Town | E-Commerce BackEnd Server | *Github link*   June 2023.
- Developed a robust ecommerce website server, integrating advanced shopping cart functionalities and personalized user dashboards.
- Achieved exceptional performance metrics, including a **20% reduction in page load times and a 99.9% uptime rate,** through optimized server-side processing and caching mechanisms.
- Implemented real-time WebSocket-based chat support, resulting in a **30% decrease in customer inquiry response latency** and enhanced user engagement.

Recoa | Property Listing and Reservation website | *Project link*   November 2022.
- Designed and implemented a **content management system (CMS)**, allowing them to easily update website content.
- Designed and implemented algorithms for efficient reservation of properties, resulting in a **30% increase** in successful bookings.

Byinks Marketing Communications | Digital Marketing | *Project link*   August 2021.
- **Managed** the production process and **Built the Key pages** such as the About, Projects, Services and Contact pages.
- Increased website reach by 20% via domain configuration, web hosting, and **effective client communication**.

WORKEXPERIENCE

SportBoo Chat Microservice | Real-time Chat Application (Contract) | *Github link* November - December 2024.
- Developed a robust real-time chat microservice for a match betting platform using NestJS and Nest Gateways.
- Implemented WebSocket communication using Socket.IO for real-time messaging capabilities
- Utilized Redis for caching and message queuing to ensure optimal performance
- Integrated with the main betting platform for seamless user experience

Shortlet Lagos | Web3 Real Estate Platform (Contract) | *Project link* September - November 2024.
- Built portfolio management system for tracking real estate investments
- Developed a blockchain-based real estate platform for property investment and management
- Implemented asset management features for property owners and investors
- Developed a blockchain-based real estate platform for property investment and management

Blkat.io | Lead Developer, December 2023.
- **Leveraged AWS services** to architect and deploy Blkat.io, a LinkedIn-like platform (in progress).
- Utilized Amazon S3 buckets for scalable and **secure storage of multimedia assets and data.**
- Employed Amazon EC2 instances for **flexible and scalable virtual server capacity**.

Royalti.io | Backend Developer, February 2022.
- **Restructured and modified** the backend code by building Endpoint's controllers and views.
- Experience with **Google BigQuery** db management for **data visualization.**
- Carried out **Unit Testing** for 80% of API Endpoints, improving API query speed by 65%.

Mariblock | Front End Developer, February - March 2023.
- Worked extensively with front-end technologies, using the **Ghost templating engine** to **design and develop blog pages** for the company's website**.**
- Created and maintained blog posts, ensuring a seamless and visually appealing reading experience for users.
- **Collaborated** with the design team to **implement UI/UX improvements**, resulting in a more engaging and user-friendly website.

Byinks Marketing Consulting | Freelancer, August 2022 - January 2023.
- **Developed** and built a responsive Digital marketing web page for Byinks marketing Consulting.
- Worked as a **Project coordinator** in an agile team of 3 to design, implement and deploy the website.

VOLUNTEERING ACTIVITIES

President **Red cross society**, National Youth Service corps 23 - Lagos State
- Orchestrated and **coordinated** various events and activities, such as first aid workshops, blood donation drives, and community outreach programs.
- **Managed** a **diverse team of volunteers,** fostering teamwork and collaboration to achieve common goals.
- **Conducted** training sessions for society members, enhancing their skills in first aid, disaster response, and community service.
- Spearheaded **community outreach** initiatives to raise awareness about health and safety, engaging with local communities to promote the Red Cross mission.

CERTIFICATIONS AND AWARDS
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- Amazon Web Services (AWS) Machine Learning Scholarship Program.
- 2022 AWS Machine Learning Engineer Scholarship — GOLD BADGE