

Mgbonyebi Blessing Sunday

E9/1080A Ebenezer House Olafimiyan Street Aromolaran Old Ife Road

Mobile: 08131971666 | Email: blessing.sunday38@yahoo.com | LinkedIn:

<https://ng.linkedin.com/in/blessing-mgbonyebi-80551b160> | Portfolio:

<https://blessingmgbportfolio.netlify.app>

Professional Summary

Versatile computer engineer with over 5 years of experience in web development, mobile app creation, electronics, embedded systems, and computer maintenance. Proven expertise in delivering innovative solutions that enhance efficiency and security, with a track record of leading projects that reduced costs by up to 15% and improved operational performance by 20%. Passionate about leveraging technical skills to drive organizational growth in dynamic environments.

Skills

- Frontend Web Development: HTML, CSS, Bootstrap, Tailwind CSS, JavaScript, React JS, Next JS
- Backend Web Development: Node JS, Express, JWT, Auth0, MongoDB, MySQL
- Mobile App Development: Android, iOS, React Native, APIs
- Desktop App Development: Windows
- Electronics & Embedded Systems: Digital Electronics, Analog Electronics, IoT, Home Automation, Robotics, System Programming (C, Python)
- Computer Repair & Maintenance
- Tools & Methodologies: Git, Agile, DevOps, Cloudinary, Sentry, Paystack, Termii
- Microsoft Office: Word, Excel, PowerPoint

Education

- HND in Computer Engineering (Upper Credit), The Polytechnic Ibadan, Oyo State (2024)
- OND in Computer Engineering (Lower Credit), The Polytechnic Ibadan, Oyo State (2020)

- Debby International College, Molete Ibadan, Oyo State (2013)
- Ishitola Memorial School, Oyo State (2006)

Certifications

- React Learning Program, Andela (2023)
- Frontend Web Development (React JS), Side Hustle (2022)
- Backend Web Development (Node JS), Side Hustle (2022)
- Web Development, CWW TECH AFRICA (2022)
- C# Programming Language, Emmaculate System Solution (2018)
- Electronics and Embedded Systems, Multisonic Technologies (2017)
- Computer Repair and Maintenance, A4 Technologies (2015)
- Building Resilience, LinkedIn Learning (2024)
- Critical Thinking for Better Judgment and Decision-Making, LinkedIn Learning (2024)
- Cybersecurity Awareness: Cybersecurity Terminology, LinkedIn Learning (2024)
- Developing Your Emotional Intelligence, LinkedIn Learning (2024)
- The Cybersecurity Threat Landscape, LinkedIn Learning (2024)
- Programming Foundations: Fundamentals, LinkedIn Learning (2024)

Experience

Matrix Innovation Limited, Ibadan, Oyo State (2019 - Present)

System Engineer/Electrical Technician

- Successfully designed and implemented system solutions for 50+ clients, achieving a 20% improvement in operational efficiency and 15% cost reduction.
- Developed 10+ custom hardware and software projects using Arduino, Raspberry Pi, sensors, and C/Python, enhancing system reliability.
- Installed and maintained electrical systems for 100+ units, ensuring 99% adherence to safety and quality standards.

Emmakulate System Solution, Ibadan, Oyo State (2018 - 2019)

Research and Design Engineer

- Conducted research on RFID systems, identifying vulnerabilities and developing a solution that enhanced security by 25% and reduced costs by 10%.
- Designed and built 5 functional prototypes using C and RFID technology, validated through rigorous testing.
- Skills Employed: C#, RFID technology, system design, prototyping, testing

Multisonic Technologies, Ibadan, Oyo State (2016 - 2017)

Hardware Design Engineer

- Designed innovative hardware for home automation, smart energy, and robotics, utilizing IoT devices and microcontrollers.
- Delivered 8 projects with 95% client satisfaction, integrating digital/analog components for efficient systems.

A4 Technologies, Ibadan, Oyo State (2014 - 2015)

Computer Technician

- Repaired and maintained 200+ computer units, resolving 90% of issues within 24 hours using diagnostic tools and software.

Projects

1. Automatic Height Measurement Using Arduino

- Role: Led development of a cost-effective height measurement system using Arduino and ultrasonic sensors.
- Technologies Used: Arduino IDE, C++, ultrasonic sensors, LCD display.
- Challenges Overcome: Calibrated for environmental factors, achieving ± 1 cm precision.
- Outcomes: Delivered a reliable, affordable solution for medical and industrial use, with mobile app integration potential.

2. Home Automation System

- Role: Designed a comprehensive system using Arduino, Firebase, and React Native.
- Technologies Used: Arduino, ESP8266, Firebase, React Native, Node.js.

- Contributions: Built mobile interfaces for appliance control, integrating voice features.
- Challenges Overcome: Ensured secure, real-time communication.
- Benefits: Improved user convenience and energy efficiency by 30%.

3. Agriculture Warehouse Monitoring System

- Role: Engineered a monitoring system for warehouse conditions.
- Technologies Used: Arduino Mega, DHT22, MQ-2, rain sensor, Firebase, Twilio.
- Contributions: Implemented real-time monitoring and automated roof closure.
- Challenges Overcome: Optimized for harsh environments, ensuring 99% uptime.
- Benefits: Reduced losses by 25% and optimized management.

4. RFID-Based Access Control System

- Role: Developed a secure access system with web management.
- Technologies Used: RFID (MFRC522), Arduino, Node.js, Express, MongoDB, React JS.
- Contributions: Created logging and notification systems with encryption.
- Challenges Overcome: Addressed replay attacks and lock compatibility.
- Outcomes: Achieved 99.9% authentication accuracy.

5. Smart Energy Management App

- Role: Built a mobile app for energy optimization.
- Technologies Used: React Native, Firebase, Arduino, Python.
- Contributions: Added real-time tracking and AI insights.
- Challenges Overcome: Ensured data sync and low battery use.
- Benefits: Reduced energy bills by 20% for users.

6. Onisowo-Smart-Hub

- Role: Frontend Developer for an e-commerce/delivery app.
- Technologies Used: React Native, TypeScript, Expo, Tailwind CSS.
- Contributions: Designed interfaces for payments and notifications.
- Challenges Overcome: Optimized for real-time updates across devices.
- Benefits: Enhanced engagement and efficiency in localized markets.

7. QuickDoc

- Role: Full-Stack Developer for a doctor booking app.
- Technologies Used: Next.js, Tailwind CSS, TypeScript, API Integration, AppWrite, shadcn/ui, Sentry.
- Contributions: Built booking, telemedicine, and reminder features.
- Challenges Overcome: Ensured data privacy compliance.
- Benefits: Simplified healthcare access with reduced booking times.

8. Matrix360

- Role: Full-Stack Developer for an e-commerce platform.
- Technologies Used: Next.js, Tailwind CSS, TypeScript, Node.js, Express, Clouinary, Termii, Paystack, shadcn/ui, Sentry.
- Contributions: Developed authentication, catalog, and payment systems.
- Challenges Overcome: Integrated third-party services securely.
- Benefits: Streamlined purchases and inventory management.

9. Launch Connect

- Role: Frontend Developer for an internship platform.
- Technologies Used: Next.js, Tailwind CSS, TypeScript, API Integration.
- Contributions: Created responsive job filtering and tracking interfaces.
- Challenges Overcome: Ensured accessibility for tech beginners.

- Benefits: Improved internship access and career development.

Awards and Honors

- Award of Excellence in Leadership Excellence, National Association of Computer Engineering Students (NACOMS), The Polytechnic Ibadan Chapter
- Award of Excellence as Tech Whiz, National Association of Computer Engineering Students (NACOMS), The Polytechnic Ibadan Chapter
- The Trailblazer Award, Department of Computer Technology, The Polytechnic Ibadan

Professional Affiliations

- Member, National Association of Computer Engineering Students (NACOMS), The Polytechnic Ibadan Chapter
- The Nigerian Association of Technologists in Engineering (NATE)

References

Available upon request.