

AZEWENE NJIGWUM

Product Engineer

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Building Smart, Secure, and Scalable Digital Experiences.

PROFILE

I am a Product Engineer with a strong academic foundation in **Information Technology and Business Information Systems**, integrating systems thinking, software development, and user-centered design to deliver scalable, high-impact solutions. I have gained solid experience across **government and institutional digital systems**, with recognition through merit-based scholarships and leadership in technology education. Focused on advanced computing, software systems, and technology-driven social impact.

EDUCATION

Bachelor of Science (B.Sc.)

Information Technology
BlueCrest University

Continuing Education

Zenith University – Business Information Systems

TECHNICAL SKILLS

Programming & Software Engineering

JavaScript, TypeScript, HTML5, CSS3, React, Next.js, Node.js, NestJS, RESTful APIs, Bootstrap, WordPress, Component-Based Architecture, API Integration, Secure Coding Principles, Performance Optimization, Version Control (Git)

Design, Prototyping & Systems Thinking

Figma, Adobe XD, Sketch, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Framer, Procreate, Miro, Design Systems, Wireframing & Prototyping, Human-Computer Interaction (HCI), Usability Testing, Information Architecture

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CERTIFICATIONS & PROFESSIONAL TRAINING

- Responsive Web Design – FreeCodeCamp
- Fundamentals of Digital Marketing – Google
- Google UX Design – Google
- Power Platform Fundamentals – Microsoft
- AWS Machine Learning Foundations – Amazon Web Services

PROFESSIONAL EXPERIENCE

RSBoPP – Frontend Engineer & UI/UX Designer

- Engineered responsive and maintainable user interfaces aligned with product and system requirements
- Collaborated with cross-functional teams to translate business logic into functional software components

The National Assembly – Product Engineer

- Designed responsive and scalable product interfaces meeting legislative platform and system standards
- Partnered with cross-functional teams to convert policy workflows into reliable software modules

Trefoil Network – Software Engineer

- Built performant and maintainable application interfaces supporting network products and system needs
- Worked with cross-functional teams to transform business rules into reusable software services

Coway – Frontend Engineer

- Developed clean and responsive frontend interfaces aligned with consumer products and requirements
- Collaborated with cross-functional teams to translate design intent into accessible software components

LEADERSHIP & ENTREPRENEURSHIP

Founder & Chief Technology Officer (CTO) – CtrlBugs (ctrlbugs.io)

- Founded and led a technology initiative focused on building practical software solutions
- Oversaw technical architecture, product strategy, and developer mentorship
- Integrated engineering best practices with educational and social-impact goals

VOLUNTEER & ACADEMIC ENGAGEMENT

Aitech – Volunteer Instructor

- Taught Design Systems and foundational software concepts to students
- Mentored learners on problem-solving, design-to-code workflows, and system thinking

Youth Technology Empowerment

- Empowered children and young learners with tools and skills to build software applications
- Promoted early exposure to computing, logical reasoning, and innovation

SELECTED CASE STUDIES & PROJECT WORK

- Contributed to real-world digital product case studies emphasizing usability, scalability, and impact
- Applied software engineering and design principles to challenges in education, governance, and commerce

[BioTapApp](#) - Biometric Payment Solution

[E- Procurement](#) - Procurement Management Information System

FOCUS AREAS

- Software Engineering & System Design
- Advanced Computing & Emerging Technologies
- User-Centered and Accessible Systems
- AI-Assisted Development & Intelligent Interfaces
- Technology for Education and Social Impact
- User Interface & User Experience