Kayode Olalere

Full-Stack Developer | Mechatronics & Robotics Engineer | Systems Architect

—

Skills

-Mobile Application Development:
- Robotics & Automation:

- Systems Architect
- Research & Analysis
- Team Collaboration
- Communication & Leadership
- Problem-Solving
- CAD Design

—

Languages:

Dart (Flutter), Python, C, C++, JavaScript, TypeScript, Kotlin, Java, Rust , Bash, HTML/CSS, SQL

Frameworks & Tools:

Flutter, Firebase, Supabase, Git, REST APIs, Arduino, ROS, MATLAB, KiCad, Onshape, SolidWorks. Intellij Idea

Platforms: Android, iOS, Web, IoT Systems

—

Experience

I have developed a multidisciplinary foundation across mobile development, robotics, and cognitive systems through independent projects, research roles, and instructional leadership. As a freelance Fullstack

Kayode Williams Olalere
Amma Pebble Estate Airport Road
Abuja, 900105

Phone: +234 8067776110
Email: williamsamson036@gmail.com
GitHub: https://github.com/WilliamSamson

Execution-focused Mobile Developer and Mechatronics Engineer, with a strong foundation in innovative technology research. Proven experience in collaborating on impactful projects that address environmental challenges. Equipped with excellent communication, critical thinking, and problem-solving skills. Operates with strategic logic, high agency, and strong R&D fluency. Passionate about continuous learning and skill development, with a strong interest in advancing technological innovation.

Freelance | Fullstack Mobile Application Developer

September 2022 - PRESENT, Abuja Nigeria

- **Designed and developed** mobile applications, contributing to the full development lifecycle from conceptualization to deployment.

- **Collaborated with clients** to understand their needs and delivered user-friendly solutions.

- **Utilized modern programming languages** and tools to create efficient, high-performing applications.

Freelance | Technical Developer & Systems Architect

June 2024 – PRESENT, Abuja, Nigeria

- **Engineered research-grade prototypes** across encryption, automation, and cognitive system domains.

- **Developed logic-based defensive systems,** including blackbox-style protocol firewalls.

- **Designed and tested nonlinear encryption mechanisms** based on entropy phase transitions.

- **Built automation scripts, cloud integrations**, and cognitive frameworks for early-stage R&D clients.

Developer, I deliver scalable mobile apps and backend systems tailored to diverse client needs. Simultaneously executed high-concept R&D tasks as a Systems Architect, prototyping encryption engines, logic-layer firewalls, and automation frameworks. Taught robotics fundamentals and guided hands-on workshops at Afrelib Academy and Innov8 Hub, supporting learner-driven innovation. Founded and led the Robotics Club at Nile University, curating a hub for technical growth, peer mentorship, and engineering challenges. With my core strengths spanning across deep technology execution, system thinking, and structured collaboration.

Afrelib Academy | Support Robotics Instructor

July 2023 - September 2023, Abuja Nigeria

- **Assisted in delivering** robotics instruction to students, supporting hands-on learning and project development.

- **Provided technical guidance** and mentorship, fostering a collaborative learning environment.

Innov8 Hub | Robotics Instructor

July 2022 - September 2022, Airport Road Abuja Nigeria

- **Led classes and workshops** on robotics, teaching fundamental principles and practical skills.

- **Guided students** in building and programming robotic systems, encouraging innovation and critical thinking.

- **Developed lesson plans** and instructional materials to enhance the learning experience

Innov8 Hub | Robotics Instructor

April 2022 - July 2022, Airport Road Abuja Nigeria

- **Conducted research** on cutting-edge robotics technologies, contributing to the development of innovative solutions.

- **Collaborated with a multidisciplinary team** to explore new applications for robotics in various industries.

- **Presented research findings** to stakeholders, highlighting potential impacts and benefits.

—

Education

Nile University of Nigeria
Bachelor of Engineering in Mechatronics, Robotics, and Automation Engineering
September 2022 – November 2027

Nile University of Nigeria / BENG

September 2022 - November 2027, Abuja, Nigeria

- **Relevant Coursework:** Robotics Systems, Automation Technologies, Engineering Design, and Control Systems.

- **Achievements:** Founded the university's Robotics Club Cluster, demonstrating leadership and a commitment to advancing the field.

Volunteering

Innov8 Hub | Research Intern
January 2022 – August 2022

- **Supported research initiatives** focused on technological innovation and environmental sustainability.

- **Assisted in data collection, analysis,** and presentation of research outcomes.

- **Gained hands-on experience** in research methodologies and project management.

Nile University of Nigeria | Founder & President, Robotics Club
April 2023 – 2024 June

- **Established and led** the Robotics Club, creating a platform for students to explore and innovate in the field of robotics.

- **Organized workshops, competitions,** and collaborative projects that enhanced members' technical skills and creativity.

- **Mentored club members**, fostering a community of learning and technological exploration.

Awards

Certificates

- **Space Generation Advisory Council**
  Certificate of Participation (Delegate)
  [View Certificate](#)
  November 2023

- **Coursera | Time Management for Personal & Professional Productivity**
  Work Smarter, Not Harder: Time Management for Personal & Professional Productivity
  [View Certificate](#)
  October 2022