

# Ememe Victor Sylvanus

## Software Engineer

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### Education

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**Bachelor of Software Engineering**, Babcock University

2022 – present

**Relevant Coursework:** Programming in C/C++, Java OOP, Discrete Maths, CompTIA Network + & Security, Linux Systems, Database Design, Software Architecture

Ogun, Nigeria

### Skills

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**Technologies** — Proficient

- **Languages:** Javascript, Java, Typescript, SQL, Go, Python
- **Frameworks:** React.js, Next.js, React Native, Tailwind CSS, Bootstrap, Nodejs, Express.js, NestJs, Gin, MySQL, MongoDB, Postgresql
- **Tools:** Git, Github, AWS, Jest, CI/CD, Railway, Heroku, Render, Docker, Postman, Redis, Zod, Figma

### Professional Experience

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#### BUCC Dev Team

Jun 2024 – present

Software Engineer - Frontend Engineer

Ogun, Nigeria | Hybrid

- **Led** a process re-engineering project to optimize end-to-end service workflows, **streamlining communication across 5 departments** and **reducing paperwork by 65%**.

Software Engineer - Backend Engineer

- Collaborated on developing an **AI-powered student chatbot** to assist with course registration, tuition inquiries, and academic guidance, improving student support efficiency.
- Implemented **natural language processing (NLP)** features and integrated backend systems to enable real-time responses and personalized assistance for students.
- **Collaborated** in developing a **university SIWES web platform** enabling students across all departments to upload and track weekly internship reports, improving report submission **efficiency by 70%**.

#### NNPC Limited

Jan 2025 – Jun 2025

Software Engineer - Fullstack Developer

Abuja, Nigeria | On-site

- **Revamped** the organization's **Car Park Management System**, integrating accessibility features and modern UI enhancements, resulting in a **60% accessibility improvement** and a **better user experience for staff and end-users**.

#### Makkan Innovation

Jan 2025 – Mar 2025

Software Engineer - Frontend Engineer

Kwara, Nigeria | Remote

- **Optimized** the company blog site, improving uptime by **15+ hours/month** through **server log analysis, database query optimization**, and reducing render-blocking resources.
- **Redesigned** and **optimized** the company website, enhancing page speed by **40%** and increasing **user engagement by 75%** through modern UI frameworks, lazy loading, and ARIA-compliant accessibility.

### Projects

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#### PetTrak

Nov 2025 – Present

- **Founder & CEO: Founded** and **lead operations** for a platform connecting pet owners with veterinary clinics; responsible for product roadmap, onboarding clinics, and managing daily operations.
- Drive product development, implement core features, and grow user adoption through **partnerships and strategic** initiatives.

<b>Tredia</b>	Apr 2025 – Present
<ul style="list-style-type: none"> <li>• Developed a secure <b>online marketplace</b> with integrated <b>escrow payments</b> and <b>buyer/seller review system</b>, boosting user trust and reducing transaction disputes by <b>40%</b>.</li> <li>• Scaled platform to handle <b>1,000+ concurrent users</b>, achieving a <b>95% escrow completion success rate</b> through optimized API workflows and database queries.</li> </ul>	
<b>PrepPal – Collaborative Study Platform</b> <a href="#">↗</a>	Jul 2025 – Aug 2025
<ul style="list-style-type: none"> <li>• <b>Collaborated with a team of engineers</b> to develop and launch a scalable platform enabling <b>1,000+ students</b> to pair by course, create timetables, join forums, and access digital libraries.</li> <li>• <b>Contributed to secure authentication, approval workflows, and admin tools</b>, ensuring <b>99.9% uptime</b> and compliance with data standards, while enhancing collaboration by <b>30% in pilot testing</b> and supporting an <b>SRS and architecture</b> designed for <b>1,000+ concurrent users</b> with &lt;2s load speeds.</li> </ul>	
<b>JobHR</b> <a href="#">↗</a>	Apr 2025
<ul style="list-style-type: none"> <li>• <b>Built a full-stack Job Application System</b> that enables recruiters to create and manage job posts, while allowing applicants to apply, upload resumes, and track their application status in real-time.</li> <li>• <b>Achieved a 40% reduction in job posting time</b> and processed over 10+ applications during testing with robust authentication and role-based access control.</li> </ul>	
<b>Podcast Web app</b> <a href="#">↗</a>	May 2025
<p>Developed a scalable podcast web app featuring episode streaming, subscription management, <b>RSS feed integration</b>, in-browser playback, and personalized feeds, <b>leveraging Redis for real-time updates</b> and <b>caching for optimized performance</b>.</p>	
<b>Url-shortener</b> <a href="#">↗</a>	Sep 2025 – Sep 2025
<ul style="list-style-type: none"> <li>• Built and deployed a <b>high-performance URL shortener (Go, Gin, MongoDB, Redis, Docker, Swagger)</b> with real-time analytics, caching, and scalable architecture, handling <b>10K+ requests/min</b> with ~50ms redirect latency.</li> <li>• Optimized system reliability by integrating <b>Redis caching</b> (reducing DB reads by 70%) and deploying on <b>Render with CI/CD</b>, achieving <b>99.9% uptime</b> and production-ready API documentation.</li> </ul>	
<b>Volunteer</b>	
<b>Wema Hackaholics 6.0</b>	Oct 2025 – Oct 2025 Ogun, Nigeria
<ul style="list-style-type: none"> <li>• Pitched a problem-driven product concept at <b>Hackaholics 6.0 (Wema Bank)</b>, presenting market need, solution impact, and value proposition to judges; gained hands-on experience in startup pitching, stakeholder communication, and idea validation, leading to post-pitch industry interest and increased confidence in product execution</li> </ul>	
<b>AI chatbot for student support</b>	Sep 2025 – Oct 2025 Ogun, Nigeria
<p><b>Collaborated</b> in developing an AI-powered student chatbot designed to assist with course registration, tuition inquiries, and general academic guidance.</p>	
<b>AI For Social Good – Frontend Engineer</b>	Mar 2025 Ogun, Nigeria
<ul style="list-style-type: none"> <li>• <b>Collaborated</b> with software engineers to build a <b>Medical Assistance AI</b> that analyzes patient symptoms, achieving a <b>65% accuracy rate</b> in data analysis.</li> </ul>	
<b>Student Ambassador</b>	Sep 2024 – present Ogun, Nigeria
<p>Blackbox AI   Cowrywise</p> <ul style="list-style-type: none"> <li>• <b>Served</b> as a liaison between <b>Cowrywise</b> and the student body, sharing <b>news, updates</b>, and <b>engaging content</b> to promote <b>financial literacy</b> and increase brand awareness.</li> </ul>	