

# Ebelechukwu Doris Okolo

## Software Engineer

Lagos, Nigeria

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### Summary

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Software Engineer experienced in JavaScript, TypeScript, Java, Spring Boot, Node.js, React, Next.js, and Vue.js for scalable application development. Proficient in API design (REST, GraphQL), authentication (OAuth, JWT), CI/CD, and database management (MySQL, MongoDB). Skilled in Test-Driven Development, Agile workflows, and cross-functional collaboration to build efficient, maintainable solutions. Passionate about system optimization and problem-solving to improve user experiences.

### Experience

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#### Midlevel Frontend Engineer

**Smart Media Update (SMU PLC)** – Lagos, Nigeria June 2024 – Till Date

- **Platform Migration ::** Leading the transition from a WordPress-based system to a custom-coded platform, improving scalability by 25% and a 20% reduction in maintenance overhead.
- **Application Development ::** Architected and developed a sports prediction application using React.js, Redux, and Context API; early tests indicate a potential 25% performance improvement.
- **Web Design ::** Designing a sports news website with React.js to broaden the digital ecosystem, projecting a 20% increase in user activity.
- **CI/CD ::** Streamlined code management processes using Git and GitHub, leading to a 30% reduction in deployment errors while enabling faster collaboration across teams for efficient project completion.

#### Backend Developer

**Thistles Technology LTD** – Lagos State, Nigeria June 2020 – May 2022

- **User Authentication and Authorization::** Designed and implemented secure registration, login, and verification, improving user onboarding efficiency by 35
- **Project Contribution::** Led backend development of a property management platform using Java Spring Boot, MongoDB, JUnit, Postman, and Cloudinary, contributing 40

#### Software Engineering Intern

**Semicolon Africa** – Lagos, Nigeria May 2022 – May 2023

- **Frontend Development ::** Developed intuitive UI components using Next.js alongside existing frameworks; findings led to optimization strategies addressing the top three root causes of performance issues affecting app reliability.
- **API ::** Built and optimized RESTful APIs using Java Springboot enhancing system performance by 30%.
- **Collaborative Engineering ::** Collaborated with a team of 8 designers and backend engineers to deliver digital solutions, boosting project efficiency by 25% and improving user satisfaction by 15%.

#### Frontend Developer

**Digitanotion Limited** – Anambra State, Nigeria June 2020 – May 2022

- **UI/UX Implementation::** Translated design concepts into fully functional and responsive web applications using HTML, CSS, and JavaScript, contributing to a 30% success rate on key projects.
- **Performance Optimization::** Optimized front-end performance to reduce page load times by 10
- **Project Contribution::** Spearheaded planning and development of a major e-commerce platform with a team of 6, resulting in a 30% increase in user engagement.

### Education

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**Semicolon Africa** – Software Engineering 2022 – 2023

**Henley Business School, University of Reading, UK** – Business Management and Entrepreneurship May 2023

## Projects

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### Hotel Ranking Website

A hotel ranking platform aggregating user reviews and performance metrics.

- Created an interactive UI with real-time updates, improving UI responsiveness by 35%
- Increased user engagement by 20% through improved performance and intuitive design

### Sports Prediction App

A sports prediction platform featuring live scores, interactive discussions, and content updates.

- Boosted daily active users by 30% and increased user engagement by 25%.
- Implemented features such as team follow functionalities and real-time match tracking, driving a projected 40% boost in engagement.

## Skills & Technologies

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### Frontend Technologies:

- **Languages & Frameworks:** JavaScript(ES6+), TypeScript, React, Next.js, Vue.js, HTML5, CSS3, Vuetify.
- **State Management:** Redux Toolkit, Context API, Vuex, Vue Router.
- **Testing & Performance Optimization:** Jest, Cypress, ESLint, Webpack.
- **Responsive Design:** Tailwind CSS and Bootstrap.

### Backend and Databases:

- **Databases:** MySQL, MongoDB.
- **Testing & Performance Optimization:** Test Driven Development(TDD), Mockito Testing
- **Languages & Frameworks::** Java, Python, Springboot, Django,Node js
- **APIs & Integrations:** RESTful APIs, GraphQL, Firebase

### Other Tools and DevOps:

- **Version Control & CI/CD:** Git, GitHub, GitLab
- **Project Management:** Agile, Scrum, Jira