

Kareem Lukman Aduagba

✈ Software Engineer

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Career Summary

- Software Engineer with a background in Computer Science, passionate about building scalable, efficient, and user-friendly applications. Strong problem-solving skills with expertise in backend and frontend development, databases, and cloud deployment. Excels in collaborative environments, driving innovation through modern technologies and best practices.
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Professional Experience

Semicolon Africa – Software Engineer Trainee (2024 – Present)

- ◆ Full-Stack Development – Hands-on experience in backend (Java Spring Boot) and frontend (React, HTML5, CSS3, Tailwind).
- ◆ RESTful API Development – Built scalable APIs using Spring Boot for efficient server-side operations.
- ◆ CI/CD & Deployment – Implemented CI/CD pipelines using GitHub Actions, Render, and Heroku for automated deployments.
- ◆ Database Management – Worked with PostgreSQL, MySQL, and MongoDB for efficient storage.
- ◆ Testing & Documentation – Wrote unit & integration tests using JUnit, following TDD best practices. Documented APIs using Postman for clarity and usability.

Frameworks & Technologies

- ◆ Java (Spring Boot) – Built scalable enterprise applications leveraging Java 8 features.
 - ◆ Python (Flask, Django) – Developed RESTful APIs and integrated NumPy & pandas for data processing.
 - ◆ JavaScript (React, Redux, Webpack) – Created reusable UI components with efficient state management.
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Education

- ⇒ Semicolon Africa, Lagos, Nigeria – Software Engineering (2024 - 2025)
 - ⇒ Kwara State University (Kwasu), Malete – BSc, Computer Science (2016 - 2020)
 - ⇒ Bayero University Kano (BUK), Kano – Diploma, Computer Science (2012 - 2014)
 - ⇒ TAQWATECH Computer Training Institute, Ilorin – Diploma, Computer Engineering & Networking (2009 - 2010)
 - ⇒ National Youth Service Corps (NYSC) – Exemption Certificate, 2021
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Projects

✈ To-Do App System (Backend)

- ✈ Designed and developed a backend system for task management with CRUD functionality.
- ◆ Optimized queries for performance & scalability.
- ◆ Ensured data integrity with validation & error handling.
- ◆ Tech Stack: Java, Spring Boot, PostgreSQL.
- ◆ GitHub: github.com/To-Do-App/Aduagba90

✈ Note Management App (Frontend)

- ✈ Built a lightweight web app for creating and organizing notes with offline support.
- ◆ Implemented LocalStorage for persistent data storage.
- ◆ Designed a responsive UI for cross-device usability.
- ◆ Tech Stack: HTML, CSS, JavaScript (Vanilla JS), LocalStorage.
- ◆ GitHub: github.com/Note-Management-App/Aduagba90

To-Do App (Frontend)

 Developed a responsive task management app with dynamic UI.

- ◆ Enabled offline support using LocalStorage.
 - ◆ Added task filtering & status updates (completed/pending).
 - ◆ Tech Stack: HTML, CSS, JavaScript, LocalStorage.
 - ◆ GitHub: github.com/To-Do-App-Frontend/Aduagba90
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Technical Skills

Programming Languages

- ◆ Java, Python, JavaScript, Dart, TypeScript

Frontend Development

- ◆ HTML5, CSS3, React, TailwindCSS

Backend Development

- ◆ Java (Spring Boot), Python (Flask, Django)

Databases

- ◆ MySQL, PostgreSQL, MongoDB

Version Control

- ◆ Git, GitHub

CI/CD & DevOps

- ◆ GitHub Actions, Docker, Heroku, AWS, Vercel, Cyclic

Testing Frameworks

- ◆ JUnit, Pytest, Jest

ORM (Object-Relational Mapping)

- ◆ Mongoose, Sequelize, TypeORM, Prisma
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Soft Skills

- ✓ Strong problem-solving, critical thinking & analytical skills
- ✓ Effective communication & teamwork
- ✓ Time management & adaptability
- ✓ Design thinking & innovation