

# Davies Ajayi

Full-Stack Developer

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## Profile Summary

Full-Stack Developer with experience across end-to-end web development, comfortable working on both client-side and server-side systems. Proficient in React and Next.js for building responsive, user-focused interfaces, and Node.js/Express for designing scalable APIs and backend services. Strong experience with AWS cloud and serverless architectures, delivering secure, high-performance applications by optimizing both UI and backend workflows.

## Relevant Experience

### Full-Stack Developer (Werkstudent)

Oskar Gerdzen Umzugsunternehmen GmbH | Kiel, Germany | 2024 – 2025

- Developed end-to-end solutions for logistics dashboards using Next.js and Node.js/Express. Digitized container and supply workflows, reducing manual processes by ~40%.
- Built and optimized RESTful APIs alongside interactive front-end components to improve overall system performance.

### Full-Stack Developer (Intern)

Access Bank Plc | Lagos, Nigeria | 2018 – 2019

- Enhanced the online banking platform with full-stack improvements: upgraded front-end components with React/TypeScript and refactored backend services in Java and C++.
- Created reusable UI elements and corresponding server APIs for transactions and reports; refactored legacy code to achieve ~30% faster page load times.

## Selected Projects

- CheapBites (Restaurant Discovery)** Live Demo | GitHub  
Full-stack Next.js app with MongoDB. Designed dynamic API routes (Node.js) and implemented caching for location-based search, reducing response times by ~35%. Integrated Leaflet.js for geolocation mapping and improved Core Web Vitals.
- Secure File Processing Pipeline (Serverless, AWS)** Live Demo | GitHub  
Built a full-stack secure file processing platform with a Next.js frontend and an AWS serverless backend, enabling users to upload, track, and download optimized files. Implemented direct-to-S3 uploads using pre-signed URLs via Node.js APIs, with asynchronous image and PDF optimization triggered by S3 events. Persisted processing state and compression metadata in DynamoDB, allowing the frontend to render real-time file status without polling while delivering efficient, scalable file optimization.
- ThrillerFiend (Real-Time Book Ratings)** Live Demo | GitHub  
Firebase (Authentication, Realtime Database), Node.js. Developed secure auth and real-time sync for a book-rating app; achieved <250ms sync latency for reviews across devices.

## Key Skills

**Front-End:** React, Next.js, TypeScript, HTML5, CSS3

**Back-End:** Node.js, Express.js, Python, Django, RESTful APIs

**Databases:** MongoDB, PostgreSQL, Firebase Realtime Database

**Cloud & DevOps:** AWS (Lambda, S3, API Gateway, DynamoDB), Docker, CI/CD (GitHub Actions)

**Other:** Git, Netlify, Vercel, Testing (Jest, Cypress)

## Education

### ALX Africa, Software Engineering Certificate

| 2022–2024

Comprehensive training in full-stack development (JavaScript, React, Node.js, AWS).

### Obafemi Awolowo University, B.Sc.

#### Agricultural Science

| 2009–2015

Built strong analytical and project management skills through rigorous coursework.