Okeke David Tobechukwu

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WORK EXPERIENCE

Youngstival   Kristianstad, Skåne
Mobile Developer Intern   *Oct 2024 – Jun 2025*

- Built a **Kotlin + Firebase** booking system with authentication and RBAC, supporting 200+ test users during pilot use.
- Developed real-time admin dashboards using **Firebase listeners**, reducing manual booking checks by 20%.
- Implemented validated **REST endpoints** that cut recurring data entry errors by 30%.
- Assisted product and design teams in refining **mobile UX flows** and small feature scopes.

Luday AB   Gothenburg, Västra Götaland
Full Stack Developer Intern   *Jun 2024 – Sep 2024*

- Delivered **React/Next.js pages** integrated with REST APIs, contributing to a 15% drop in post-release UI issues.
- Built a reusable UI component set that reduced page development time by 20%.
- Designed database schemas **(PostgreSQL/MongoDB)** that improved query speed during load tests.
- Helped implement **AWS-based caching and load balancing** for smoother peak traffic handling.
- Participated in **Agile workflows**, providing code review support and taking on feature tickets.

PROJECTS

HomeSync (IoT Control App)   Personal Project
Real-time Voice & Context-Aware System   *Feb 2025 – May 2025*

- Developed a React frontend and a backend using **REST/WebSockets** to control **Arduino** hardware via Socket.IO, maintaining sub 200ms command latency in local network tests.
- Containerised services with Docker to standardise multi-device testing and simplify voice-processing deployments.
- Added authentication and permission checks to secure device interactions in simulated home environments.

Fitness & Nutrition Tracker App
MERN-Stack Project   *Jun 2025 – Jul 2025*

- Implemented user authentication, meal tracking, and admin tools tested with **10,000+ mock meal entries.**
- Optimised MongoDB schemas and indexing to reduce high-frequency query times during meal-search operations.
- Built responsive React interfaces for calorie tracking and meal planning across mobile and desktop users.
- Collaborated with users during development to prioritise features that boosted engagement.

Mind Care (Mental health app)
Applied Data & UX Design   *Sep 2025 – Oct 2025*

- Created a **Python + PostgreSQL** desktop application for session tracking and personalised recommendations.
- Improved data retrieval performance through schema refinement and query optimisation.
- Designed accessibility-focused UI elements to support students with minimal technical experience.

EDUCATION

Kristianstad University   Kristianstad, Skåne
B.Sc. in Computer Science   *Aug 2022 – Jun 2025*

- **Relevant Coursework**: Software Engineering, OOP, Database Techniques, Agile Methodologies

Skills

- **Frontend**: React, Next.js, TypeScript, TailwindCSS, HTML/CSS
- **Backend**: Node.js, REST APIs, WebSockets, GraphQL
- **Databases**: PostgreSQL, MongoDB, MySQL, Firebase
- **Cloud & DevOps**: AWS, Docker, CI/CD
- **Testing & Tools**: Jest, Pytest, Postman, GitHub, Jira, Confluence

Languages

- **English**: Business Fluent
- **German**: B2, Upper-intermediate