Omar Ahmed Hamdy

Düsseldorf, Germany | **+49 15292615272** | omardemiro@gmail.com
linkedin.com/in/OAK06 | github.com/OAK06/

PROFILE

CTO, Technical Partner & Senior Fullstack Engineer

Highly accomplished technical leader and hands-on engineer with 9+ years of global delivery experience across LAMP, PERN, and modern JavaScript/TypeScript stacks. Operating as a Fractional CTO and B2B contractor, I build, scale, and secure high-performance SaaS, Marketplaces, and Automations. Known for delivering clean infrastructure (Laravel, Next.js, Python, Docker/Kubernetes) and deploying with my elite, pre-vetted squad of developers to ship complex platforms at high velocity.

SKILLS

- **Backend:** PHP (Laravel, CakePHP), Python (Flask), Node.js (Express), REST APIs
- **Frontend:** JavaScript, TypeScript, React.js, Next.js, Vue.js, Vuex, HTML5, CSS3, Tailwind CSS
- **Databases & DevOps:** PostgreSQL, MySQL, MSSQL, Docker, Kubernetes, Git, CI/CD Pipelines
- **Leadership & Execution:** Fractional CTO, Architecture & System Design, Team Management, Product Roadmap Strategy, Release Pipelines

LANGUAGES

- Arabic: Native | English: Bilingual | German: Beginner

FREELANCE EXPERIENCE

CTO, Technical Partner & Contractor | Self-Employed (Remote / Global)

SEPTEMBER 2018 - PRESENT

Architect, develop, and deliver high-performance software products for global markets, acting as a Fractional CTO or Lead Contractor. Manage an elite, pre-vetted squad of 3 developers to rapidly scale and ship products.

Venture Studio Portfolio (Co-Founder & CTO):

- **Gym Management SaaS:** Co-developed and led core software engineering, release cycles, and platform deployments.
- **FinTech Infrastructure:** Architected and scaled a profitable, fully automated cryptocurrency trading backend system.

European Venture Studio (Lead Contractor):

- **Custom CRM Solutions:** Designed a custom CRM that automated heavy manual workflows, allowing the client to multiply their active customer base.
- **On-Demand Marketplaces:** Rebuilt and scaled key labor-matching platforms. Acted as solo developer for a major product launch and led a small dev team to deploy two complex marketplace expansions.

B2B Supply Chain SaaS (Core Contractor):

- Collaborated as a core fullstack engineer to build critical procurement, inventory, and logistics features for a major Canadian spend-management platform.

Member360 (Melbourne, Australia - Remote) | Senior Fullstack Engineer

OCTOBER 2020 - MAY 2023

Served as a core engineer for a leading Australian B2B SaaS gym management platform supporting thousands of daily active users.

- **Business Intelligence:** Designed and engineered the core financial reporting module, building complex query systems to deliver actionable insights for management.
- **Centralized Scheduling:** Built a high-performance, real-time calendar to coordinate classes, PT sessions, and trainer schedules.
- **Enterprise Onboarding:** Developed a scalable member-import engine to automate and streamline data migration, removing friction for newly acquired gyms.
- **Mobile & APIs:** Built and maintained React Native mobile applications (iOS/Android) and developed scalable REST APIs for third-party integrations, mobile sync, and physical access-control hardware.

Smartway (Riyadh, Saudi Arabia - Hybrid) | Fullstack Engineer

OCTOBER 2018 - SEPTEMBER 2020

Delivered enterprise-grade, custom E-Learning solutions, legacy system modernizations, and high-traffic portals for schools, universities, and government ministries across Saudi Arabia.

- **Saudi Ministry of Education (Future Gate):** Engineered and scaled high-compliance features to adapt to evolving national educational requirements.
- **Command & Staff College, Riyadh (SIS):** Led the frontend modernization and developed custom database features under strict institutional security guidelines.
- **Integrations & Databases (SCE & SREI):** Extended legacy client frameworks, designing custom APIs and custom reporting engines to handle heavy query loads.
- **Service Continuity (Al Falah Private Schools & Jo-Way Driving School):** Audited database architectures and resolved critical system bottlenecks to guarantee zero downtime for regional learning portals.

Canadian International College (Cairo, Egypt - Hybrid)

Teaching Assistant (Part-Time) | NOVEMBER 2017 - SEPTEMBER 2018

Instructed GIS (Geographic Information Systems) to 3rd-year CS students and mentored graduating seniors on system architecture and deployments. Awarded the "Best Technical Support" certificate by the department.

Fullstack Web Developer (Contract) | MARCH 2017 - SEPTEMBER 2018

Architected a custom college management system (Degree Audit, Advising, and Academic Control) and scaled the student Petition System to support multi-campus expansions.

EDUCATION

Cape Breton University (Canada)

Bachelor of Business Information Technology — Information Management Major (2012 – 2016)

Dual Program completed via Canadian International College.

Other Certifications

- **Project Management Specialization** (6 Courses by Google on Coursera, 2024)
- **Advanced Web Development in Python** (Nanodegree Program on Udacity, 2020)
- **Data Science Specialization** (10 Courses by Johns Hopkins University on Coursera, 2018)
- **Full Stack Developer in Python** (1 Million Arab Coders Initiative on Udacity, 2018)