Omar Radwan

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Personal Portfolio: www.omar-radwan.com

Professional Summary

Aspiring Full Stack Developer with strong foundations in JavaScript, TypeScript, React, C, Java and Python. Skilled in building scalable web applications, integrating APIs, and delivering responsive designs. Quick learner with proven ability to collaborate in cross-functional teams, troubleshoot issues, and adapt to evolving requirements.

Technical Skills

Programming Languages
- Python • Java • C++

Web Development
- REST APIs • React.js • Vue.js • JavaScript • TypeScript • CSS • Bootstrap • User Experience Design
- HTML5

Mobile Application
- Flutter • Kotlin • Golang

Database & Cloud
- PostgreSQL • AWS Cloud Services • Cloud fundamentals • Cloud Architecture • MongoDB • MySQL

Work Experience

Full Stack Developer Intern | The Egyptian Ministry of Networking & The Applied Innovation Center**|** Full Time-Remotely
09/2025 – Present
- Developing and deploying full stack features using React.js, Node.js, and PostgreSQL.
- Collaborating with designers and engineers in Agile sprints to deliver scalable solutions.
- Implementing responsive UI components and optimizing app performance.

Data Engineer Internship | EBNY Real Estate – Cairo, Egypt **|** Full Time-On-Sight
05/2023 – 08/2023
- Collaborated with teams to gather requirements and implement custom solutions.
- Designed database systems to store and manage property data.
- Verified and resolved bug reports and technical issues.
- Developed solutions using Python and SQL databases.

Projects

SSH Keys Portal – Web-based portal for managing SSH keys in HPC environments
- Built an HPC-focused SSH Keys Management Portal for research clusters to securely onboard users, generate/import/rotate keys, enforce access policies, and auto-deploy keys to login/compute nodes.

- Backend: **Python** (FastAPI, SQLAlchemy), JWT/LDAP SSO, Paramiko/Cryptography; async workers handle provisioning and detailed audit trails.

- Frontend: **React + TypeScript** with **Tailwind** and i18n, delivering RBAC-driven admin and self-service workflows with compliance checks.

- Cross-platform developer experience via a universal Makefile and bootstrap scripts; reproducible setup, **SQL migrations**, and health/status endpoints.

Trading App – Flutter stock market app with real-time financial data and portfolio tracking
- Built a cross-platform Stock Market app with **Flutter (Dart)** for Android, iOS, and Web.

- Implemented portfolio tracking, stock detail/list views, and curated market news using Provider state management and RESTful services.

- Containerized the web build with **Docker + Nginx** and streamlined runs with docker compose.

- Applied a clean, modular architecture (models, providers, services, widgets) to ensure **maintainability and scalability.**

Web Portfolio Builder
- Built a no-code React portfolio builder (Vite + Tailwind) with dual modes (Blocks/Page), drag-and-drop sections, multi-page management, theme presets, per-section layout controls, customizable hero/highlights, and one-click export to a runnable React project (JSZip/FileSaver); state via Context + useReducer

Education

Bachelor of Science: **Software Engineering**
University of Europe for Applied Sciences – Potsdam, Germany 09/2023 – Present

High School Diploma: **American Diploma**
Port Said American School – Giza, Egypt 09/2020 – 07/2023

Certifications

Meta Back End Professional Developer Certificate
- Covers Python, SQL, APIs, Git, and Django, with a focus on building secure and scalable back-end systems.

AWS Cloud Practitioner Essentials Certificate
- Foundational knowledge of AWS core services, cloud concepts & Architecture, security, and pricing models.

Language

- Arabic: Native
- English: C1
- German: A2 (Still taking an Intensive German Course)