

# Omar Radwan

Germany, Berlin, Alfred Jung Straße 10369

+491777588642 - [omarobraschy2004@gmail.com](mailto:omarobraschy2004@gmail.com)

LinkedIn: [www.linkedin.com/in/omar-radwan-99794a27a](https://www.linkedin.com/in/omar-radwan-99794a27a)

GitHub: <https://github.com/omar-radwan7>

Personal Portfolio: [www.omar-radwan.com](http://www.omar-radwan.com)

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## 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.

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## Technical Skills

### Programming Languages

- Python • Java • C++

### Web Development

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

### Mobile Application

- Flutter • Kotlin • Golang

### Database & Cloud

- PostgreSQL • AWS Cloud Services • Cloud fundamentals • Cloud Architecture • MongoDB • MySQL
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## 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.
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## Projects

## SSH Keys Portal – Web-based portal for managing SSH keys in HPC environments

- Engineered a secure SSH key management portal utilizing Python, FastAPI, and SQLAlchemy, cutting user onboarding time by 87.5%, reducing deployment from 2 hours to just 15 minutes and saving countless hours for researchers.
- Cross-platform developing experience via 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

- Developed a cross-platform stock market application using Flutter, achieving 99.9% uptime for the web version containerized with Docker and Nginx, ensuring reliable access to real-time financial data.

## 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

## Local Cloud Storage

- A fully local Dropbox-style app built with **Next.js, React, TailwindCSS, Node.js, Express, TypeScript, and SQLite**, offering secure user authentication, drag-and-drop file uploads with automatic versioning, nested folders, a recycle bin, storage visualization, semantic search, and optional **AI-powered file summarization and chat**, all in a self-contained, portable system.

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## 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**

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## 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.

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## Language

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