

# Abdelrhman Muhamed

Full-Stack Web Developer

Certified From NTI

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[GitHub](#)

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## Professional Summary

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Innovative and detail-oriented Full-Stack Web Developer with strong experience in front-end and back-end development using Angular, Node.js, React, Python, and PHP. Skilled in building scalable and secure web applications with a keen focus on performance, real-time communication, and seamless UI/UX. Passionate about learning and applying best security practices and automation techniques.

## Key Competencies

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- **Languages:** HTML, CSS, JavaScript, Node.js, TypeScript, C++, PHP, Python, SQL, Bash
- **Design Principles:** OOP, SOLID Principles, Design Patterns (MVVM, MVC)
- **Front-End:** Angular (v19+), React.js, HTML5, CSS5, Bootstrap, Tailwind, Flask
- **Back-End:** Node.js, Express.js, Python Core, Django, PHP Native, NestJS, REST APIs, WebSocket
- **Databases:** MongoDB, MySQL
- **Version Control:** Git, GitHub
- **Security:** OAuth, JWT, PortSwigger Labs, eWAPT, eJPT
- **Soft Skills:** Problem-Solving, Team Collaboration, Adaptability, Self-learning
- **Languages:** Arabic (Native), English (Fluent), German (Intermediate)

## Projects

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### Real-time Chat App (Node.js + Angular)

- Used WebSocket, Node.js with TypeScript (OOP, modules, and type libraries)
- Angular - AngularComponent (TypeScript - OOP)
- Single repo architecture for maintainability
- [Live Demo](#)

### Full E-Commerce Web App (Angular + Node.js + Express.JS + MongoDB)

- Developed a full single-page application with dynamic dashboard, product management, and cart functionalities.
- Backend was built using RESTful APIs in Node.js, with secure authentication using **JWT** and **OAuth**.
- Designed and implemented features like user login, product CRUD operations, and real-time cart updates.
- Frontend developed using reusable **Angular components** with a focus on clean UX and responsive design.
- Used MongoDB for database and followed MVC pattern
- Applied best performance and security practices

## E-Commerce Frontend (React)

- Built dynamic React components for product views and cart
- Integrated user auth and backend APIs
- Ensured responsive and high-performance UI

## Full CRUD App (Native PHP + MySQL + JavaScript)

- Developed server-side logic in PHP and managed database with MySQL
- Designed interactive frontend with vanilla JS and HTML ,CSS5

## Portfolio Websites (HTML/CSS/JS)

- Designed user-focused, responsive portfolios
- [Portfolio 1](#) — [Portfolio 2](#)

## Courses & Certifications

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- **WebSocket Communications with Node and Angular** – LinkedIn Learning
- **Angular NTI** – Modern + legacy Angular dev
- **Node.js (Explore Web Development with Node.js) LinkedIn Learning** – Express/NestJS, Mongoose , Sequelize
- **React (Dave gray, React: Creating and Hosting a Full-Stack Site )LinkedIn Learning** – Component-based frontends - library
- **Git/GitHub**-Proficient in version control, collaborative workflows, and managing repositories for individual and team projects
- **Linux & Bash Scripting** – Applied knowledge of Linux systems and scripting, with a focus on automation and data engineering tasks.
- **PHP (Native) & MySQL** – Developed dynamic full-stack web applications with server-side scripting and database integration
- **Web Development (HTML, CSS, JavaScript)** – Build static and interactive websites using foundational web technologies
- **Fundamentals of Programming in C++** – Enhanced algorithmic thinking and problem-solving by solving Coding challenges .
- **PortSwigger Labs** – Web security and exploitation
- **eWAPT** – Web Application Penetration Tester
- **eJPT** – Junior Penetration Tester
- **CompTIA Network+** – Strong understanding of networking fundamentals, device configuration, and troubleshooting methodologies.

## Education

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### NTI-National Telecommunication - Computer Science Institute

- MEAN-Stack and Full-Web Application Developer
- Graduated: Jan 2025

### Bachelor of Pharmacy (Pharm D)

- Faculty of Pharmacy, Al-Azhar University
- Graduated: July 2024