

Yousif Abdu Ahmed Ali Aladower

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SUMMARY

Results-driven Software Engineer with over 5 years of experience in the IT industry, specializing in the design and development of enterprise-level applications using Microsoft, Oracle, Java, and Google technologies. Adept at working within Agile environments to analyze business requirements and translate them into scalable, high-quality technical solutions. Demonstrates a strong track record of delivering robust software systems that drive operational efficiency and business value.

Proactively leverages modern AI tools and technologies to enhance productivity, automate workflows, and build smarter, more intelligent systems.

EDUCATION

- **Bachelor of Computer Sciences** **2016-2019**
Sana'a University (84.73% very good Honors)
- **Secondary School** **2012-2014**
Alfawz School (86.88% very good Honors)
- **English Advanced Level Student .** **2019-2020**
New Horizons Institute (91.75% Excellent Honors)
- **Graphics Diploma Skills.** **2019-2020**
Center Ministry of Youth and Sports(91.75% Excellent Honors)
- **Accounting Merchant.** **2019**
Ebda'a Soft Training Center(94% Excellent)

WORK HISTORY

- **SmartMind-solutions Company** **Feb 2020 – Dec 2020**
Web Developer
- **Yemen Ministry Of Health** **Dec 2021 – Feb 2025**
Full Stack Web Developer
- **YemenSoft Company** **Feb 2025 – Current**
Full Stack Web Developer
- **Freelancer** **2021 – Until Now**
Full Stack Web Developer

LANGUAGE

- **Arabic** -Mother tongue
- **English** - Excellent

PROFESSIONAL EXPERIENCE

Application Developer

- I developed a **Medical Imaging Diagnosis Agent** using the Agno framework, powered by Gemini 2.0 Flash. This solution analyzes various types of medical images and scans, providing AI-assisted diagnostic insights and explanations. It acts as a virtual medical imaging expert, helping improve diagnostic accuracy and supporting healthcare professionals in decision-making.
- Developed a comprehensive **Blood Bank System** for the National Center for Blood Transfusion and Research using ASP.NET Core Web API, Entity Framework Core, LINQ, and SQL Server, following modern architectural patterns such as Clean Architecture, CQRS, and MediatR, with secure authentication using JWT, Refresh Tokens, and Identity. Built the frontend using Angular and PrimeNG components. Additionally, designed and implemented an AI-powered chatbot to automate system workflows, enabling users to perform actions such as adding and updating donor records and managing operational processes through conversational commands.
- Designed and developed a **Hospital Management System (HMS)** for the Ministry of Public Health and Population using C#, .NET Framework, Windows Forms, and Oracle Database with ADO.NET, applying OOP, SOLID principles, and design patterns, along with DevExpress Reporting. Additionally, built an AI-powered assistant that analyzes laboratory test results and generates structured diagnostic reports to support clinical decision-making, integrating with external AI models via API (Groq) and transforming JSON responses into user-friendly reports within the application UI.
- Contributed to the development of an **Accounting and Warehouse System** for the Ministry of Public Health and Population using **Oracle Forms and Oracle Database**.
- Built a standalone **Blood Bank System** using C#, .NET, Windows Forms, SQL Server, following **object-oriented programming principles**.
- Developed a **Logistics Services System** for Oryx Express Company using **Laravel (PHP) and MySQL**, with a modern frontend using **Vue.js**, and delivered **Progressive Web Apps (PWA)** for both drivers and customers.
- Participated in developing an **HR System** for the Ministry of Health using **Oracle APEX and PL/SQL**.
- Built an **Inventory Management System** for medical supply operations using **PHP, JavaScript, jQuery, AJAX, HTML/CSS**, integrated with an **Oracle Database**.
- Contributed to building a **Dashboard Control Panel** for a text messaging system for *Al-Thawra Newspaper* using **ASP.NET Core and SQL Server**.

- Developed the **Non-Communicable Diseases (NCD) System** using the **DHIS2 platform** with **PostgreSQL database**.
- Built and enhanced a **Hospital Management System (HMS)** using **C# and Windows Forms with SQL Server**, including **API integration with the Nafis platform** and **integration with the Saudi Council of Health Insurance systems**.

SKILLS AND EXPERIENCES

Technical

- Strong experience in building modern web applications using technologies such as **Angular, Vue.js, React, TypeScript, Next.js, NestJS, jQuery, AJAX, and Bootstrap**, with backend development in **C# using ASP.NET MVC and ASP.NET Core Web API**.
- Proven experience in **integrating AI into software systems**, including the development of intelligent chatbots, automation of business workflows, and enabling systems to process **text and voice commands**, execute queries, and generate dynamic reports.
- Solid experience in developing **desktop applications** using **Windows Forms, WPF, and DevExpress** with **C#**.
- Extensive experience in designing and managing **relational databases** (MS SQL Server, MySQL, Oracle) and **NoSQL databases** (MongoDB, Firebase, IndexedDB).
- Hands-on experience with **Docker** for containerization and application deployment.
- Strong understanding and practical implementation of **Clean Architecture** and **Onion Architecture** principles.
- Experience in implementing **real-time communication and notifications** using **SignalR and Firebase**.
- Good understanding of **System Analysis, Object-Oriented Programming (OOP), and Design Patterns**, with experience using **UML** and working within **Agile methodologies**.
- Proficient in data access technologies including **Entity Framework Core, Dapper, and ADO.NET**.
- Experience applying **CQRS pattern** and **MediatR** for separation of concerns between commands and queries.
- Skilled in using **DTO patterns**, and building applications aligned with **SOLID principles**.
- Strong experience in applying various **Design Patterns** to build scalable and maintainable systems.
- Experience in writing and maintaining **Unit Tests** to ensure code quality and reliability.
- Ability to test and validate applications across different **browsers, environments, and platforms**.
- Capable of analyzing product requirements, designing solutions, and delivering features efficiently.
- Strong focus on writing **clean, maintainable, and standards-compliant code**, ensuring compatibility across devices and operating systems.
- Experience with **version control systems** including **Git, GitHub, and Bitbucket**.
- Proficient in building and consuming **RESTful APIs** and working with **JSON-based data exchange**.

Non-Technical

- Ability to work under pressure, independently and with limited supervision
- Self-motivated and able to achieve deadlines and work independently
- interest in new technologies.
- Seek out and actively promote ideas.
- learn and test new technologies, frameworks and language
- Possibility to work remotely or from the workplace.
- Ability to self-educate.
- Able to adapt to new environments and acquire new skills very rapidly.
- Proven ability at analyzing complex problems.
- Excellent Leadership and communication skills.

SKILLS MATRIX

	Skill	Last used	Years	Proficiency
IDE Programming Platforms	Microsoft Visual Studio (2014-2026)	Current	+6	Expert
	Visual Studio Code	Current	+6	Expert
	NetBeans PHP IDE	2019	3+	Moderate
	Oracle SQL Developer	Current	+4	Expert
	Oracle JDeveloper 11	Current	+4	Expert
	JetBrains PHPStorm IDE	2019	+3	Moderate
DBMS	MySQL (7,8)	Current	+5	Expert
	MongoDB	2020	+1	Good
	Microsoft SQL Server (2005,2008,2014,2016,2019 , 2022)	Current	+2	Expert
	Oracle 11g,12g & PL-SQL	Current	+3	Expert
	PostgreSQL DB	Current	+1	Good
	Firebase (FCM ,Real Database , Fire Store ,...)	Current	+3	Moderate
Web or Desktop -Applications Languages	C#, ASP Net Core	Current	+5	Expert
	C#, Windows form ,WFP	Current	+5	Expert
	Angular	Current	+3	Good
	Oracle Apex 2019	2021	+1	Good
	Node JS with Exprice	2020 - 2021	1	Good
	React	2021	1	Good
	Vue	Current	+2	Moderate
	webpack , vite ,git	Current	6+	Good
	jQuery, Type Script, JavaScript, Bootstrap, tailwind	Current	+5	Expert
Tools Platforms	Microsoft Project	Current	+4	Moderate
	GitHub Platform	Current	+3	Expert
	Atlassian Jira Software development	Current	+2	Moderate
	azure DevOps	Current	1	Good
	Trello	Current	+1	Good
	Docker And Kubernetes Containers	Current	+1	Moderate
Application Server	Microsoft IIS	Current	+2	Good
	Xamp Server	2021	+4	Expert
	Laragon Server	Current	+2	Expert
	Wamp server	2020	+3	Expert
	Tomcat	2023	+1	Moderate
OS	Windows 2016/Server /Vista/Win7/Win8/Win10	Current	+10	Expert
	Linux (Ubuntu)	Current	+3	Moderate