

# Muhammad Talal

Dubai, UAE | [talalmohsin2018@gmail.com](mailto:talalmohsin2018@gmail.com) | +971585829854 | [www.linkedin.com/in/muhammadtalal77](https://www.linkedin.com/in/muhammadtalal77)

## Experience

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### AECS | Full Stack Web Developer

Apr 2024 – July 2024

- Developed a complex website for AECS using Content Management System Wordpress, enabling doctors to register for related courses.
- Provided ongoing maintenance and support post-launch to ensure seamless functionality and user experience.

### SozoTech | Frontend Developer

Sept 2023 – Apr 2024

- Led the development of the homepage using React for an optimized user experience.
- Enhanced application functionality and design through close collaboration with design and backend teams.
- Improved product understanding and user engagement by contributing to clear and comprehensive documentation.
- Designed UI/UX for the platform on Figma, ensuring responsive design.

### Senior Development Assistant | Heriot watt

Sept 2022 – June 2023

- Assisted junior developers with debugging and Code testing
- testing all pipelines pass
- Enhanced the connectivity and functionality of the code

## Education

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### Heriot-Watt University, BSc (Hons), Computer Science

Sept 2021 – Nov 2024

- **Coursework:** Software Engineering, Industrial Programming, Operating Systems, Data Communication, Computer Network Security, Data Structures and Algorithms, Object-Oriented Programming, Machine Learning
- **Scholarship:** 50% Merit Scholarship (Highest Offered)

## Projects

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### Tech Lead, Sozotech (3rd Year University Project)

- Scored highest marks in Stage 1, and Top 5 in Final Stage across Scotland, Malaysia and Dubai campuses.
- Implemented features including personal chat, group chat, admin dashboard, groups moderation tools.
- Developed office suite using Tiptap, Y.js, and WebSockets for real-time collaborative document editing.
- Integrated AI Chatbot using Google Gemini API, Teleconferencing for video and voice calls utilizing Jitsi.

## Technologies

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**Languages:** TypeScript, JavaScript, Go, Java, C#, Python, C, SQL, noSQL

**Technologies:** React, NextJS, SASS, TailwindCSS, Zustand, React Testing Library, Jest, NodeJS, ExpressJS  
PostgreSQL, Docker, AWS, GoMock, JUnit, Firebase, Firestore, Supabase