

# Abdulmajed Al Chekha

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## Skills

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Python, React Native, NestJs, JavaScript, HTML, CSS, C++, Jira, GitHub, Typescript, Android Studio, VS Code, Data Structures, Algorithm Engineering, Wireshark, React, Time management, Leadership, Communication skills, Agile, GIT, JIRA, Quality assurance, Software development

## Experience

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### Travel Hotline | Remote

#### Full Stack Developer Intern | 02/2024 - 05/2024

- **Engineered New Features in a High-Impact Travel App:** Collaborated on a feature-rich travel app, implementing robust backend solutions using NestJS and PostgreSQL that increased platform speed by 30%, while working with a team to refine functionalities in response to customer feedback.
- **Optimized Codebase and Debugging Processes:** Contributed to code quality through rigorous code reviews, clean coding practices, and identifying inefficiencies that reduced bug resolution time by 40%.
- **Enhanced User Experience:** Participated in daily scrum meetings, aligning with the Agile framework to deliver improvements on time, including search optimization and user interface adjustments that improved user retention by 25%.

### Self Employed | Remote

#### Web Development Freelance | 09/2023 - Present

- **Completed Freelance Web Development Project in 2 Weeks:** Demonstrated adaptability and rapid learning by mastering advanced frameworks, delivering a high-quality, bespoke website that drove 55% growth for the client.
- **Showcased Technical Proficiency and Client Focus:** Leveraged expertise in HTML, CSS, JavaScript, and responsive design, while prioritizing clear communication and timely delivery to exceed client expectations with innovative, tailored solutions.
- **Focused on Quality and Innovation:** Committed to enhancing project outcomes by leveraging cutting-edge technologies and continuously evolving skill set.

### Capstone Project: AR Campus Navigation Platform | Fullerton, CA

#### 08/2024 - Present

- **Web Version:** Designed a web-based navigation platform using HTML, CSS, and JavaScript, integrating Firebase for real-time data management. Developed an optimized pathfinding algorithm that calculates the shortest route across campus saving 25% of travel time, taking level elevation into account for precise, floor-aware navigation.
- **iOS Version:** Built a native iOS application using Swift and ARKit to provide augmented reality navigation and increasing accuracy by 30%, with real-time floor-level guidance and interactive campus mapping to assist students and visitors in locating key destinations.
- **Android Version:** Created an Android app with Kotlin and ARCore, offering a comprehensive AR navigation experience that displays campus routes, floor levels, and landmarks, enhanced by Firebase for real-time data updates.

### HoneyBee Robotics/TRIO STEM | Altadena, CA

#### Collaborative Partner | 02/2023 - 05/2023

- **Developed Advanced Pneumatic Flow System:** Designed and implemented a high-efficiency particle separation system using screen-like filters and a reverse flow cyclone.
- **Engineered Innovative Analysis Systems:** Created stationary camera and XRF scanner systems, enhancing rocklet presentation and material composition analysis.
- **Optimized Systems for Lunar Environments:** Applied expertise to tailor systems for lunar conditions, demonstrating advanced engineering and analytical skills.

### KEW ENTERPRISES | Azusa, CA

#### Manager | 06/2021 - 05/2024

- **Led Team to Boost Productivity:** Efficiently managed and motivated employees, demonstrating strong organizational and time management skills to ensure timely task completion for 2.5 years.
- **Maintained a Professional Environment:** Created a safe, organized workspace that fostered positive experiences and upheld high standards of professionalism

Education

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California State University Fullerton  
Computer Science | 12/2024  
GPA 3.3

Citrus College  
Computer Science | 06/2023  
GPA 3.8