

Abdullah Afzal

Software Engineer

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📍 Karachi, Pakistan

🌐 Engr. Abdullah Afzal

Professional Summary

Software Engineer with a proven track record in delivering comprehensive solutions that meet client needs. Skilled in analyzing requirements, defining project scope, and ensuring successful project outcomes. Proficient in creating effective solutions that drive business objectives forward.

Professional Experience

2023/08 – present
Karachi, Pakistan

Trainee Engineer (Research and Development Department)

TPL Trakker Ltd. ☑

As a Trainee Engineer at TPL Trakker, I had the privilege of working extensively on IoT products, focusing on both hardware and software development under the guidance of Abdul Saboor, the Head of Department. My role entailed conducting comprehensive analyses of client requirements and specifications to determine project scope, feasibility, and key deliverables. As a product developer, I contributed to the design of innovative IoT-based solutions and the development of corresponding software. This experience significantly enhanced my ability to bridge the gap between technical requirements and practical solutions, ensuring the successful implementation of IoT projects.

For further information, please contact Abdul Saboor, Head of Department, at +92 3008298094.

2023/05 – 2023/08
Karachi, Pakistan

Intern (Research and Development Department)

TPL Trakker Ltd. ☑

Specialized in Embedded Systems Design and IoT, focusing on creating efficient software for various devices. Proficient in Embedded C, I ensured seamless functionality of embedded software across projects, integrating IoT capabilities where applicable.

2023/01 – 2023/02
Peshawar, Pakistan

Intern

Pakistan Aeronautical Complex Kamra ☑

Pakistan Aeronautical Complex, I worked closely with aerospace engineering professionals to gain practical experience in aerospace engineering principles and practices. I assisted senior engineers in various aspects of design, testing, and maintenance activities, contributing directly to projects focused on software development within aerospace applications.

Education

2020/06 – 2024/06
Karachi, Pakistan

BE Software Engineering

PAF - KIET

Graduated with a Bachelor of Science in Software Engineering, achieving a GPA of 3.45. This accomplishment reflects my strong grasp of software engineering principles and practices. Through various projects and coursework, I honed my skills in software development, system design, and problem-solving, equipping me with the technical expertise and analytical capabilities to excel in the field.

2018/04 – 2020/04
Karachi, Pakistan

Intermediate

Govt. National College

Projects

2024/03 – present	Indoor Localization System <ul style="list-style-type: none">• Description: Developed an Indoor Localization system using Ultra-Wideband (UWB) technology, integrated into a MERN stack application.• Impact: Enabled precise location tracking and navigation in indoor environments.
2024/02 – 2024/03	GreenNest <ul style="list-style-type: none">• Description: Developed a mobile app and backend in Node.js for hydroponic gardening, integrating Node.js backend and ESP32 controllers.• Impact: Enabled real-time monitoring and control of hydroponic systems.
2023/09 – 2024/01	Facial Recognition Attendance System <ul style="list-style-type: none">• Description: Successfully deployed a Facial Recognition Attendance System at TPL Trakker.• Impact: Improved attendance tracking accuracy and efficiency for the organization.
2023/05 – 2023/08	Vehicle Tracker Firmware Development <ul style="list-style-type: none">• Description: Developed firmware for a vehicle tracker, integrating GPS functionality and communication protocols for real-time location tracking.• Impact: Enhanced vehicle security and fleet management efficiency.
2023/05 – 2024/06	EventSynergy <i>Contest Mangment Platform</i> <ul style="list-style-type: none">• Description: Created a dynamic platform for event management and collaboration, consisting of a web app built with PHP and HTML, and a mobile app built with Flutter, with a centralized database.• Impact: Optimized Contest mangement among organizers, participants, and stakeholders

Skills

C	C#
Javascript	Python
NodeJS	ReactJS
Database (SQL / NoSQL)	REST API's
Flutter (Mobile App)	Embedded C
Java	PHP

Hobbies and Interests

- Coding
- Problem Solving
- Video Editing