MOHID WARSI

Full Stack Developer

CONTACT

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Portfolio

LinkedIn

SKILLS

- React.js
- Next.js
- Angular
- JavaScript
- Node.js
- Python
- FastAPI
- Flask
- Tailwind CSS
- PostgreSQL
- MongoDB
- Redis
- BitBucket
- Blender
- Plotly
- Data Structures
- Data Visualization
- API Development
- Artificial Intelligence
- Machine Learning

LANGUAGES

Arabic

English

Urdu

EDUCATION

Bachelor's Degree in CS
Virtual University, Karachi

Associate Degree, Software Engineering
STBE, Karachi

IGCSE (O-Level)
Arab Unity School, Dubai

CERTIFICATES

IBM Full Stack Software Developer — Coursera

Python / CS50 — Harvard University

META Front End Development — Coursera

SUMMARY

Full Stack Developer experienced in building secure, scalable, and user-friendly web applications. Skilled in React.js, Next.js and Tailwind CSS, with a focus on developing responsive and intuitive interfaces.

Experienced in Python, FastAPI, and Flask, developing RESTful APIs, integrating databases, and building efficient backend applications. Proficient in SQL, MongoDB, authentication, authorization, and secure application practices.

Passionate about full-stack development, application security, and machine learning, with strong problem-solving skills and a commitment to continuous learning and innovative software development.

WORK EXPERIENCE

Software Developer | *GULFA, Riyadh*

Remote • 09/2025 – Present

- **Web Development & AI Integration:** Built and developed a comprehensive poultry management system, integrating AI models for detection and analysis, along with real-time video streaming and playback using MediaMTX and FFmpeg. Created modern, responsive, and user-friendly web applications using React, Tailwind CSS, and modern UI practices, with scalable backend services built using FastAPI and PostgreSQL.
- **Interactive Systems & Business Applications:** Developed interactive real-time 3D models and animations to enhance user experience and visualization. Built a complete quotation management system, including dynamic quotation workflows, employee and organizational structures, and customizable PDF generation templates, focusing on scalable architecture, usability, and efficient business processes.

Software Developer | *Conure ITS, Karachi*

On-Site • 09/2023 – 09/2025

- **Full-Stack Web Development:** Developed responsive and user-friendly applications using Angular, React.js, and Next.js, integrating Mapbox for geospatial visualizations and Three.js for interactive 3D experiences. Built seamless front-end and back-end integrations through APIs while collaborating with UX/UI teams to improve usability and engagement.
- **Backend, APIs & Architecture:** Designed reusable and modular components for scalable applications and developed RESTful APIs using Flask for efficient client-server communication. Worked with MongoDB for data storage and Redis for caching, following best practices for performance, scalability, and API design.

PROJECTS

Business Applications — *Riyadh / KSA*

Built modern, responsive, and user-friendly interfaces using React, TypeScript, Next.js, and modern UI design practices, supported by scalable backend services using FastAPI and PostgreSQL. Integrated AI models for detection and analysis, real-time video streaming and playback using MediaMTX and FFmpeg, interactive 3D models and real-time animations, and dynamic PDF generation for customizable quotation templates and business reports.

Developed comprehensive business and management applications, including a poultry management system and a quotation management system, designed to streamline operations, manage employees, clients, quotations, and organizational workflows.

ParkSmart — *John Hopkins Aramco Healthcare, KSA*

SaaS product integrating a network of sensors, digital signage, IoT gateways, and a web-based analytics platform to provide real-time parking occupancy data and guidance, enhancing the user experience.

- Managed sensor database and developed a platform to monitor sensor health, uptime, and count.

Data Analytics — SimpliLearn

META Front End Development — Coursera

- Created an interactive dashboard with Angular and Mapbox to visualize sensor data in real-time.
- Handled database management with MongoDB and Python.
- Collaborated with the offshore team to ensure a successful deployment in the Kingdom of Saudi Arabia.

OLIOS — *St. Pete Beach, Florida / USA*

SaaS product for real-time vehicle tracking and parking enforcement through advanced navigation and user-friendly applications.

- Developed a location tracking system for patrolling cars using Angular, enabling navigation across zones in Saint Pete Beach.
- Integrated Mapbox to visualize vehicles with valid and invalid permits in real-time.
- Incorporated License Plate Recognition (LPR) for automatic vehicle identification and permit validation.
- Built an interactive web app to monitor patrol routes, vehicle status, and enforcement actions.
- Collaborated with the offshore team for successful deployment in Florida and Virginia.