



# MOHID WARSI

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## SUMMARY

A dedicated **Full Stack Developer** with a strong foundation in front-end and back-end technologies. Expert in **React.JS / Next.JS** and **Angular** using TypeScript, I excel at crafting responsive and user-friendly interfaces. On the back end, I leverage **Python** with 3+ years of experience, creating RESTful APIs using **FastAPI** and **Flask**. Experienced with **MongoDB**, building pipelines and managing databases to optimize performance. I specialize in **data analysis, visualization**, and transforming complex datasets into actionable insights, with a growing interest in **machine learning**. Committed to contributing my skills and **creative problem-solving** to innovative projects while expanding my technical knowledge.

## WORK EXPERIENCE

**SOFTWARE DEVELOPER** / Conure ITS, Karachi

**(09/2024) - Present**

- **Web Development:** Developed and optimized Angular and React.js/Next.js applications for responsiveness and visual appeal. Integrated Mapbox for interactive geospatial visualizations and rendered 3D models using Three.js for immersive user experiences. Connected front-end with back-end via seamless API integrations and collaborated with UX/UI teams to enhance engagement and usability.
- **Component-Based Architecture:** Designed and developed reusable, modular UI components using React and Next.js to maintain consistency and improve development efficiency across large-scale applications.
- **Data Handling and Visualization:** Processed and analyzed data using Pandas, Plotly, Seaborn, and Matplotlib. Used **MongoDB** for data storage and **Redis** for caching cleaned data. Built interactive dashboards to present insights and support data-driven decisions.
- **API Development with Flask:** Created APIs using Flask for seamless client-server communication, implementing RESTful endpoints for data retrieval with MongoDB, following best practices for API design

## SKILLS

- React.js
- Next.js
- Angular
- JavaScript
- Node.js
- BitBucket
- Python
- Matplotlib
- Plotly
- FastAPI
- Flask
- Data Structure
- Data Visualization
- Scikit – Learn
- API Development
- Artificial Intelligence
- Machine Learning
- Seaborn
- MongoDB
- Redis

## LANGUAGES

- Arabic
- English
- Urdu

## CERTIFICATES

- **IBM Full Stack Software Developer / By Coursera (2024)**
- **Python Programming Language / CS50 by Harvard University, USA (2023)**
- **Data Analytics / By SimpliLearn (2022)**
- **META Front End Development / By Coursera (2024)**

## EDUCATION

- **Bachelor's Degree in CS** (Virtual University, Karachi)
- **Associate Degree in Software Engineering** (STBE, Karachi)
- **IGCSE (O-Level)** (Arab Unity School, Dubai)

## PROJECTS

### ParkSmart – John Hopkins Aramco Healthcare, KSA

- ❖ **ParkSmart** is a 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.
- 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

- ❖ **Olios** is a 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**.

### 1JOB – Karachi, Pakistan

- **1JobPlatform** is an AI-powered job aggregation platform that simplifies job discovery by extracting and structuring relevant information from online listings.
- Built a custom **backend API** that integrates with **Gemini** and **LLaMA 3** AI models to intelligently **scrape**, **clean**, and **extract** key details such as job titles, company names, and contact emails from unstructured job listings across the web.
- Ensured smooth **API integration** between frontend and backend, enabling real-time data updates and a dynamic user experience.
- Developed the **Next.js frontend** with a strong focus on **SEO optimization**, **server-side rendering (SSR)**, and **static site generation (SSG)** to improve search engine visibility and page performance.