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## Muhammad Dawood

Full-Stack PHP Developer (Laravel & React)

### EDUCATION

**Sarhad University, Peshawar, Pakistan**

BS in Software Engineering | Oct 2016 – Dec 2020

CGPA: 3.83 (Gold Medalist)

### CERTIFICATION

**Udemy**

Advanced Laravel & REST API

Mastery | Feb 2021 – Jan 2022

### LANGUAGES

- English Fluent
- Urdu Fluent
- Pashtu Native

**Nationality** Pakistani

### Skills

- HTML5
- CSS3
- JavaScript
- PHP
- Laravel
- React js
- Docker
- Git

- Accomplished Senior Laravel Developer with over 4 years of experience in building and optimizing scalable web applications and RESTful APIs using Laravel and React.js. Adept at leading full project lifecycles from concept to deployment, with a focus on clean architecture, modular coding, and efficient backend logic. Demonstrated success in delivering SaaS, ERP, and fleet management platforms across the UAE, Qatar, and KSA, ensuring 99.9% uptime and seamless real-time functionality.
- Proficient in Docker-based CI/CD automation, resulting in significantly faster release cycles and improved deployment reliability. Known for driving backend performance through code refactoring, database optimization, and implementing microservices for high-traffic applications. A proactive team collaborator with strong Agile experience, committed to quality, innovation, and delivering business-driven results in fast-paced development environments.

### Areas of Expertise:

- Proven ability to translate business requirements into scalable web application architecture using Laravel and React.js.
- Strong competence in identifying technical challenges early and proposing practical, performance-driven solutions.
- Expertise in managing cross-functional collaboration between frontend, backend, and DevOps teams for seamless product delivery.
- Skilled at working in fast-paced Agile environments, adapting to evolving project needs while maintaining high code quality.
- Ensures secure and optimized RESTful API development, adhering to best practices and performance standards.
- Builds trust and technical leadership within teams, influencing key architectural and development decisions.
- Reviews and improves existing codebases, conducts code audits, and leads refactoring initiatives with minimal disruption.
- Prepares comprehensive documentation, sprint reports, API specs, and post-deployment support manuals.

## PROFESSIONAL EXPERIENCE

- 1. Employer:** AnyPOS – Islamabad, Pakistan  
**Title:** Senior Laravel Developer  
**Duration:** September 2023 – Present  
**Project Scope:**

  - Development of SaaS-based POS solutions and real-time fleet tracking systems across multiple countries
  - Backend architecture and API development for platforms like Truckala
  - Integration of frontend interfaces using React.js and Tailwind CSS

**Responsibilities:**

  - Engineered 60+ high-performance REST APIs in Laravel, increasing response speed by 45% across UAE and Qatar platforms.
  - Developed React.js components that improved UI responsiveness by 60% and decreased user complaints by 35%.
  - Implemented CI/CD pipelines using Docker to streamline deployment workflows
  - Collaborated with cross-functional teams across different time zones to meet project goals and release schedules
  - Participated in regular code reviews to maintain code quality, consistency, and team standards
  
- 2. Employer:** Inovvo Tech – Islamabad, Pakistan  
**Title:** Laravel Developer  
**Duration:** August 2022 – September 2023  
**Project Scope:**

  - Web application development for enterprise SaaS and logistics platforms
  - Backend optimization and modularization using Laravel and Docker
  - Integration of microservices for fleet and asset management systems

**Responsibilities:**

  - Constructed and maintained 55+ RESTful APIs for enterprise SaaS platforms used by Al Qaryan Group in KSA.
  - Structured microservices supporting 5000+ real-time fleet tracking operations daily.
  - Implemented Docker for development and deployment consistency across environments
  - Structured modular microservices to handle real-time data processing
  - Increased backend performance by 33% via query optimization and memory usage refinement
  - Collaborated closely with QA, DevOps, and frontend teams to ensure smooth application delivery
  
- 3. Employer:** Jantrah Tech – Islamabad, Pakistan  
**Title:** Junior PHP Laravel Developer  
**Duration:** January 2021 – July 2022  
**Project Scope:**

  - Backend systems development for client web applications
  - Secure API development and integration with payment services
  - Participation in Agile-based sprint planning and testing processes

**Responsibilities:**

  - Constructed reusable backend modules for 5+ client systems, accelerating page loads by 40%.
  - Created secure and scalable REST APIs integrated with third-party services such as payment gateways
  - Contributed to improving code structure and readability through service-based architecture
  - Executed 50+ unit and integration test sessions, decreasing post-release bugs by 70%.
  - Provided technical assistance and resolved ongoing issues during maintenance periods
  - Tracked development progress and coordinated tasks using Jira and Git version control

## PROJECTS

### Truckala | 2024–Present

**Tech Stack:** Laravel, React.js, MySQL, REST APIs, GPS/IoT

- Built scalable Laravel backend Designed with GPS/IoT, supports real-time tracking, trip logs, fleet analytics.
- Designed and optimized the **backend architecture** to handle high-volume vehicle data, GPS signals, and IoT device integration.
- Implemented features for **trip management**, vehicle diagnostics, geofencing, and driver behavior analysis.
- Worked on **frontend modules** using React.js, contributing to UI for live tracking dashboards, trip history, and vehicle details.
- Integrated **real-time location updates** using GPS data, WebSockets, and third-party telematics services.
- Developed custom **report generation** tools for trips, fuel usage, engine hours, and idle time.
- Coordinated with frontend and hardware teams to align IoT device outputs with backend processing.

### AnyPOS | Multi-Tenant SaaS Point of Sale Platform| 2023–Present

**Tech Stack:** Laravel, MySQL, REST APIs, JavaScript, React.js

- Architected and developed **multi-tenant SaaS Point of Sale system** using Laravel, enabling businesses in retail, grocery, and services sectors to manage operations efficiently.
- Scaled platform to serve clients across **three countries**, supporting regional settings like currency, taxes, and language localization.
- Built core POS modules including **inventory management, billing, invoicing, taxation**, and real-time sales tracking.
- Implemented a **referral and reseller system**, enabling affiliates to onboard clients and earn recurring commissions, helping scale B2B sales.
- Designed a modular system architecture allowing **customization per tenant**, such as separate themes, user roles, and billing models.
- Integrated **automated invoicing and payment reminders**, supporting various payment gateways for streamlined billing.
- Created real-time **reporting dashboards** for daily sales, inventory levels, and top-selling products, enhancing business insights.
- Maintained clean, well-documented **REST APIs** for integration with third-party accounting and CRM tools.

### AQG Now | KSA-Based Logistics & Delivery Platform | 2022–2023

**Tech Stack:** Laravel, Python, REST APIs, MySQL, GPS/IoT

- Engineered and optimized **Laravel-based backend APIs** for AQG Now, a logistics and fleet management platform used by **AI Qaryan Group**, a leading UAE-based scrap and recycling company.
- Collaborated on a **Python-based GPS tracking script** that parsed and relayed real-time vehicle location data to the Laravel backend.
- Built modules for **driver assignment, trip scheduling, delivery logs, and performance tracking**, tailored to logistics operations in the UAE and KSA.
- Enhanced system performance through **optimized database queries, job queues, and caching strategies** to handle large data volumes from fleet activity.
- Closely collaborated with cross-functional teams to **align technical solutions with AI Qaryan's logistics workflows and regional requirements**.

### ERP System | Custom Enterprise Resource Planning Solution |2022

**Tech Stack:** Laravel, MySQL, REST APIs, JavaScript, Bootstrap/Vue.js

- Developed and deployed a **custom ERP system** with core modules including **Human Resources, Sales, and Purchase**, tailored to business-specific workflows.

- Designed seamless **inter-departmental data flows** to eliminate redundancies, resulting in a **30% improvement in process integration and operational efficiency**.
- Implemented **HR features** like employee onboarding, leave management, payroll processing, and performance tracking.
- Built **sales and purchase modules** to manage quotations, orders, invoices, supplier details, and stock movements.
- Integrated a **centralized role-based access system**, ensuring that each department had secure and appropriate access to their respective modules.
- Designed **real-time reporting dashboards** for management to monitor KPIs such as workforce attendance, sales revenue, and procurement status.
- Structured the database schema and relationships to support **modular expansion**, making it easy to integrate with inventory, accounts, or CRM in future phases.

### Story Trees | Genealogical Mapping Platform for UK Market | 2021

**Tech Stack:** Laravel, JavaScript (D3.js/Chart.js), MySQL, REST APIs

- Developed a **genealogical mapping web platform** tailored for the UK market, allowing users to visually explore and manage complex family trees.
- Built dynamic **relationship visualization features** using **JavaScript and Laravel**, enabling interactive display of ancestry, lineage, and family connections.
- Designed a **custom tree-building interface** to support multiple relationship types (e.g., parents, siblings, spouses, descendants) with drag-and-drop capabilities.
- Implemented **backend logic in Laravel** for storing, retrieving, and querying nested family data using recursive relationships and efficient tree structures.
- Created **RESTful APIs** to support AJAX-based interactions, ensuring a smooth and responsive user experience.
- Integrated user authentication, privacy controls, and access levels to protect sensitive genealogical information.

## Education & Professional Achievements

- **Bachelor of Science in Computer Science** — *Gold Medalist*, Sarhad University (CGPA: 3.83)  
Recognized for academic excellence with the highest distinction in the graduating class.
- **Promoted to Senior Developer** within 3 years, based on consistent performance, initiative, and technical leadership across multiple projects.
- Appointed as **Lead Backend Developer** for *Truckala*, a real-time fleet tracking platform integrating GPS and IoT; led API development and system optimization efforts.
- Contributed significantly to the **global expansion of AnyPOS**, a SaaS-based Point of Sale system deployed in 3 countries, by building robust multi-tenant modules and reseller systems.
- Personally **commended by the CTO of Inovvo Tech** for backend optimization efforts that improved performance and scalability across the platform.

## DOMAIN EXPERTISE

- **Retail & POS Systems:** *AnyPOS* – Multi-country SaaS platform with invoicing, inventory, and reseller modules
- **Fleet & Logistics:** *Truckala, AQG Now* – Real-time tracking, driver performance, and telematics integration
- **ERP Systems:** Custom-built modules for HR, procurement, payroll, and interdepartmental workflows
- **Genealogy & EdTech:** *Story Trees* – Relationship mapping and family history visualizations for UK users

## CORE STRENGTHS IN SOFTWARE DEVELOPMENT

- **Backend Development (Laravel 8–10.x, PHP 8.x)**  
Strong expertise in building scalable and secure RESTful APIs, multi-tenant SaaS platforms, and modular backend systems using Laravel and modern PHP practices.

- **Frontend & UI Integration (React.js, JavaScript ES6+, Blade)**  
Experience in creating user-friendly interfaces and dashboards using React.js and vanilla JavaScript; skilled in integrating frontends with dynamic backend APIs.
- **Database Design & Optimization (MySQL, PostgreSQL, Redis)**  
Proficient in relational database design, query optimization, indexing, and caching strategies to improve system performance under high load.
- **DevOps & Deployment (Docker, Supervisor, Git, CI/CD)**  
Hands-on experience with containerized Laravel applications using Docker, background job management, Git-based workflows, and continuous deployment pipelines.
- **Real-Time Data & IoT Integration (WebSockets, Python, GPS APIs)**  
Integrated real-time vehicle tracking with Python scripts and GPS/IoT devices for logistics platforms like *Truckala* and *AQG Now*.

## SPECIALIZED EXPERIENCE & TECHNICAL TALENTS

- **Multi-Tenant SaaS Architecture Development (AnyPOS)**  
Engineered scalable SaaS platforms with robust tenant isolation, dynamic database handling, and tenant-specific authentication and billing logic. Enabled rapid onboarding of new clients across **three countries**, with support for localized tax, currency, and language settings—resulting in **30% faster deployment cycles** for new merchants.
- **Real-Time GPS & IoT Integration for Fleet Platforms (Truckala, AQG Now)**  
Designed and deployed vehicle tracking systems with **live GPS data processing** and IoT integration using Python and Laravel. Enabled fleet managers to monitor trips, driver behavior, and engine usage in real time—contributing to **a 25% reduction in unauthorized mileage** and improving delivery time accuracy across regions in UAE and KSA.
- **Custom ERP System Development for Operational Efficiency**  
Delivered modular ERP solutions tailored to business-specific workflows—covering Inventory, HR, Sales, Purchase, and Accounting. Helped streamline internal operations and **cut manual task load by 40%**, improving data consistency across departments and reducing reporting time.
- **Advanced Third-Party API Integration**  
Integrated various third-party services including Stripe, PayPal, GPS providers, Twilio, Firebase, and AWS. Successfully implemented automated invoice generation, location services, and communication flows—leading to higher system automation and reduced reliance on manual admin work.
- Developed custom ERP solutions with modular components (Inventory, HR, Sales, Purchase, Accounting)
- Proficient in third-party API integrations: payment gateways, GPS services, SMS/email platforms, and cloud tools

## DOMAIN & INDUSTRY EXPOSURE

- Retail & POS Systems: AnyPOS (multi-country SaaS deployment – UAE, Qatar, Pakistan)
- Logistics & Fleet Management: AQG Now, Truckala (real-time asset tracking & GPS integration)
- EdTech Platforms: Story Trees (UK-based family lineage platform), FYP project management tools
- Enterprise Resource Planning: Custom ERP systems for operational efficiency
- Genealogy & Family Mapping: Interactive visual tree-based applications for family history

## RECOGNITIONS & APPRECIATIONS

- Commended by CTO of Inovvo Tech for backend performance improvements in high-traffic environments
- Earned recognition from AnyPOS senior management for successful deployment of stable, scalable microservices

## Languages

- **English:** Professional proficiency
- **Urdu:** Fluent