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ZAIN FAYOD

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EMPLOYMENT

Senior Software Engineer

Supy

04/2022 – Present

- Migrated legacy code bases to a modern **Microservices Architecture**, Leveraging Domain-Driven **Design (DDD)** principles to boost scalability, maintainability, and team productivity.
- Developed a comprehensive Retailer Management System (**RMS**) covering key retail operations.
- Designed and implemented the Central Kitchen module, enabling seamless operational integration and driving a **120%** increase in client subscriptions.
- Orchestrated a secure and reliable data migration from Firebase to MongoDB, ensuring complete data integrity and system compatibility during the transition.
- Enhanced reliability and performance with **NATS Messaging (60% less downtime)** and **Redis caching**.
- Improved data management and traceability through **CQRS**, a custom **MongoDB** atomic update package, and a centralized **Audit Log** system.

Senior Software Engineer

Nestech

04/2021 – 04/2022

- Architected and implemented scalable microservices-based backend systems for municipality projects using a modern tech stack, ensuring high data integrity, performance, and extensibility.
- Led the Backend engineering team, guiding architecture decisions, mentoring team members, and ensuring the timely delivery of robust, maintainable services.
- Collaborated closely with Frontend, QA, and Product teams to translate complex government requirements into reliable microservices, aligned with domain-specific and compliance standards.
- Built and maintained core services using **Laravel**, **Nodejs**, and supporting technologies, while ensuring smooth inter-service communication and consistent **API Design**.
- Accelerated the transactions processing time by **400%** using our system.

Software Engineer

BadinanSoft

03/2020 – 04/2021

- Led the development of a comprehensive Clinics Management System using **Laravel and Vue.js**, enhancing operational workflows and patient record handling.
- Applied Clean Architecture principles and common **Design Patterns** to improve code maintainability and scalability.
- Optimized MySQL performance by identifying and tuning slow queries, resulting in faster response times.
- Developed and integrated a shipping management module for Badinan Shipping, Facilitating efficient logistics operations and real-time delivery tracking.

Full Stack Engineer

Techstream Labs

02/2019 – 03/2020

- Designed and maintained a custom **ERP** system using **Laravel and Vue.js**, supporting end-to-end business processes for mid-sized enterprises.
- Built features for item catalogs, order management, warehouse tracking, and reporting modules, improving operational visibility and efficiency.
- Implemented **Role-Based Access Control (RBAC)** and real-time data synchronization, ensuring secure and seamless user experiences.
- Contributed to Frontend UI/UX improvements, leading to increased user adoption and satisfaction.

EDUCATION

Tishreen University

09/2016 – 09/2021

- Bachelor of Software Engineering. GPA: 3.0/4.0

SKILLS

- **Technical Expertise:** Problem Solving, Algorithms, Data Structure, System Architecture, Microservices, Design Patterns
- **Tools:** VCS, NATS, Redis, Docker, CI/CD, Cloud, GitLab, GitHub, Postman
- **Programming Languages:** JavaScript, TypeScript, PHP, Python, Java, C++, SQL
- **DataBase:** MongoDB, MySQL, PostgreSQL, BigQuery
- **Frameworks:** Nodejs, Nestjs, Expressjs, Laravel, Vuejs, Angular

ADDITIONAL EXPERIENCE AND AWARDS

- **Third Prize, Tamayuz competition (2021):** Awarded 3rd prize in the
- **First Prize, Tamayuz competition (2020):** Awarded 1st prize in the “Personal Projects” category.
- **Sixth Prize ICPC (2020):** — 6th prize, Tishreen & Tartous Universities Programming Contest
- **Third Prize ICPC (2019):** Awarded 3rd prize, Albaath University Programming Contest