YASSMINE DIAB

SENIOR SOFTWARE ENGINEER

DETAILS

ADDRESS
Dubai
United Arab Emirates

PHONE
+971501742022

EMAIL
yassminediab1996@gmail.com

LINKS

Linked in

Github

SKILLS

Javascript

Typescript

NodeJs

NestJs

MySQL

MongoDB

Postgres

PHP

Laravel

Redis

Elasticsearch

Kafka

Data structures

GRPC

Websockets

DBMS

Query Optimization

Project Management

Agile Methodologies

PROFILE

Node.js Certified Senior Software Engineer (JSND) with expertise in building scalable web applications, microservices, and blockchain solutions. Skilled in designing secure APIs, real-time communication (**WebSockets**), and optimizing performance with caching and database tuning. Led the **migration of 5M+ users** to a centralized authentication system and integrated **Web3 payments via Metamask**. Proficient in **TypeScript, Node.js, NestJS, PHP, Laravel, React, MySQL, PostgreSQL, Redis, Docker, and AWS**. Agile and DevOps-driven, committed to clean, maintainable code and high-performance systems.

EMPLOYMENT HISTORY

Senior Software Engineer, INNOVATION FACTORY

Mar 2023

- **Bstore (B2B & Marketplace):** Implemented **full-text search & faceted filtering** using **Elasticsearch**. Built a **referral system** rewarding buyers for new acquisitions. Integrated **Web3/Metamask** for crypto payments.
- **Time2Travel (Flight & Hotel Booking):** Developed a **Web3-based payment gateway** enabling **Metamask & blockchain transactions** for seamless crypto payments.
- **XHowTime (OTT Streaming):** Engineered a **scalable video streaming** platform, optimizing API performance for multi-device support.
- **Centralized Authentication Migration:** Led the migration of **5M+ users** to a **new authentication microservice**, ensuring **zero downtime** and seamless **SSO integration** across platforms.
- **Microservices & APIs:** Developed a **shared coupon system**, optimized APIs with **gRPC** for high-performance communication, and implemented **WebSockets** for real-time chat.
- **Performance & Security:** Enhanced system reliability with **unit/integration testing**, caching strategies (**Redis**), and API performance optimizations.

Tech Stack: Node.js, NestJS, TypeScript, MongoDB, **Elasticsearch**, Redis, gRPC, WebSockets, **Web3**, Metamask, Blockchain

Senior Software Engineer, ARMONEY TECHNOLOGIES DMCC

Sep 2021 — Feb 2023

- **Blockchain Product Development:** Spearheaded the creation of a blockchain-based product featuring a real-time chat application and comprehensive user management system.
- **API Architecture:** Designed and optimized APIs to support and empower the frontend team.
- **Real-Time Communication:** Developed a real-time chat application using WebSockets for seamless user interaction.
- **Quality Assurance:** Ensured top-tier quality through comprehensive unit and integration testing.
- **Performance Optimization:** Enhanced API performance using advanced caching techniques.

- **Monitoring & Logging:** Implemented robust monitoring and logging solutions with Grafana and AWS CloudWatch.
- **Deployment Management:** Deployed development projects on VPS servers and managed production deployments on AWS.

Full Stack Developer, THE PLANET

Sep 2019 — May 2021

- **Online Donation Platform (Jan25 Hospital):** Spearheaded the end-to-end development of an innovative online donation platform, ensuring secure transactions, scalability, and an intuitive user experience.
- **Course & Track Management System:** Designed and implemented a comprehensive course and track management system similar to Udemy, enabling seamless course creation, enrollment, and progress tracking.
- **Travel Arrangements Platform:** Built an intuitive web application to assist children with travel arrangements, focusing on accessibility, ease-of-use, and reliable performance.
- **Psychiatric Hospital Web Application:** Developed a specialized web application for a psychiatric hospital, integrating secure data management and patient record handling in compliance with industry standards.
- **Influencer Connection Platform:** Engineered a dynamic platform that connects users with influencers by showcasing follower counts and comments, facilitating effective social media engagement.
- **Software Engineering Excellence:** Delivered clean, maintainable, and scalable code while designing and implementing efficient data storage solutions to optimize system performance.

Tech Stack: TypeScript, Node.js, PHP, React, MySQL, Laravel, Redis, Docker

Backend Engineer, Chafaa   Cairo, Egypt

Dec 2017 — Aug 2019

Chefaa.com – E-Commerce Platform for Medicines (Egypt)

- **End-to-End Platform Development:** Developed an online platform from the ground up for ordering medicines from multiple pharmacies, establishing a popular e-commerce solution in Egypt.
- **API & Web Development:** Designed and implemented secure RESTful APIs and a responsive website, supporting both web and mobile applications.
- **Database Management:** Oversaw and maintained central databases, ensuring high performance, data integrity, and responsiveness to frontend requests.
- **Performance & Scalability:** Optimized application performance using advanced caching and code optimization techniques to ensure maximum speed and scalability.
- **Clean Code Practices:** Wrote clean, efficient, and maintainable code, adhering to industry best practices and enhancing overall system reliability.

Tech Stack: PHP, MySQL, Laravel, Redis

EDUCATION

BACHELOR IN COMPUTER AND INFORMATION SCIENCE, Faculty of computer and information Helwan university

Jun 2014 — Jun 2018

CERTIFICATIONS

OpenJS Node.js Services Developer   Linux Foundation
certification(JSNSD)