

MUSTAFA ABU WARDEH

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PROFILE

Full-stack software engineer with 4+ years of experience building scalable web applications using MERN stack, Next.js, React Native, and microservices architecture. Expert in distributed systems, event-driven architectures, real-time communication, ML-powered recommendations, and multi-vendor marketplaces. Proven track record of delivering enterprise-grade solutions with microservices, API gateways, Kafka event streaming, and cloud-native technologies. Strong focus on clean code, performance optimization, and scalable system design.

EDUCATION

Bachelor of Computer Engineering, Palestine Polytechnic University 2018 - 2023

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, PHP, HTML5, CSS3, C++, C#
Frontend	React, Next.js, React Native, Tailwind CSS, GSAP, next-intl (i18n)
State Management	Redux, Redux Toolkit, Zustand, Jotai, React Query, React Context API
Backend	Node.js, NestJS, Express.js, Laravel, October CMS, Socket.io
Databases	MySQL, PostgreSQL, MongoDB, Prisma ORM, Redis
Architecture	Microservices, Event-Driven Architecture, API Gateway, Nx Monorepo
Messaging & Streaming	Kafka, WebSockets, Real-time Communication
Machine Learning	TensorFlow.js, Collaborative Filtering, Recommendation Systems
CMS	October CMS (Laravel-based)
DevOps & Deployment	Docker, Git, GitHub, CI/CD, Vercel
APIs & Integrations	REST, GraphQL, WebSockets, Rate Limiting
Authentication	JWT, OAuth2, NextAuth, Session Management
Payment Systems	Stripe Connect, Stripe, Lahza, PayPal
Tools & Libraries	Swiper.js, LightGallery, Lottie, Axios, ESLint, Prettier

PROFESSIONAL EXPERIENCE

Full-Stack Developer Jun 2025 - Oct 2025
Blue Ltd *Palestine*

- Developed 7 enterprise-level web applications for nonprofits, government institutions, and corporations, delivering all projects on time.
- Implemented complex features including donation systems, financial services platforms, multimedia galleries.
- Designed responsive, user-friendly interfaces using CSS, Swiper.js, and Lottie animations across all devices.

Full-Stack Developer Dec 2021 - Present
Freelance and Self-Learning Projects *Remote*

- Designed and developed full-stack web applications using MERN, PERN, MNRN stack, Next.js,, focusing on performance and scalability.
- Architected enterprise-scale microservices applications using Nx monorepo, event-driven architecture with Kafka, and distributed systems patterns.
- Built real-time communication systems using WebSockets, Kafka event streaming, and Redis for multi-user applications.

- Developed ML-powered recommendation engines using TensorFlow.js with collaborative filtering algorithms.
- Implemented secure authentication, JWT authorization, and payment systems including Stripe Connect for multi-vendor marketplaces.
- Built custom CMS solutions using October CMS for dynamic content management and administration panels.
- Designed React Native mobile applications with Expo and real-time backend synchronization.
- Delivered enterprise-level projects using agile development methodologies with Docker and cloud platforms.
- Developed responsive, multilingual applications with modern UI/UX practices and accessibility standards.

SELECTED PROJECTS

Some Freelance And self learning Projects

Shop Center - Enterprise E-Commerce Platform . [\(View Project\)](#)

Microservices-based e-commerce platform with 10+ services, real-time chat, ML-powered recommendations, multi-vendor marketplace, and React Native mobile app. Built with Nx monorepo, Kafka event streaming, WebSockets, Redis, TensorFlow.js, and Stripe Connect.

Super Albalad - E-Commerce Grocery Platform . [\(View Site\)](#)

Al-Hafez Marble and Stone Website . [\(View Site\)](#)

ByteVault E-Commerce Website . [\(View Site\)](#) [\(GitHub\)](#)

School Management System . [\(View Site\)](#) [\(GitHub\)](#)

Film - Series Central . [\(View Site\)](#) [\(GitHub\)](#)

PDF RAG System . [\(View Site\)](#) [\(GitHub\)](#)

Meeting App . [\(View Site\)](#) [\(GitHub\)](#)

React Native Recipe App . [\(GitHub\)](#)

React Native Delivery App . [\(GitHub\)](#)

React Native Uber Clone . [\(GitHub\)](#)

Blue Ltd Projects (Jun 2025 - Oct 2025)

Pyalara - Digital Village Media & Literacy Center . [\(View Site\)](#)

Jerusalem Fund - Education & Community Development . [\(View Site\)](#)

SavingPal - Government Employees Cooperative . [\(View Site\)](#)

GUPT - General Union of Palestinian Teachers . [\(View Site\)](#)

GivePal - Give Palestine Association . [\(View Site\)](#)

Media Plus . [\(View Site\)](#)

Orient Company . [\(View Site\)](#)

GRADUATION PROJECT

Laser Engraver Software Using Image Processing

Developed comprehensive software solution to convert digital images into precise engravings using advanced image processing algorithms, SVG manipulation techniques, and G-code generation for CNC laser engraving machines. [\(GitHub\)](#)

LEADERSHIP & ACHIEVEMENTS

- Architected microservices-based e-commerce platform with 10+ services, real-time chat, ML recommendations, and multi-vendor marketplace capabilities.
- Built Ministry of Labor-compliant financial services platform handling sensitive employee data with robust security and compliance standards.
- Implemented multilingual (Arabic/English) support, payment gateway integrations, and donation systems across multiple enterprise projects.
- Developed production-ready real-time systems using WebSockets, Kafka, and Redis supporting thousands of concurrent users.
- Created ML-powered recommendation engine using TensorFlow.js improving engagement and conversion rates.
- Implemented Stripe Connect for multi-vendor marketplace with automated onboarding and payment processing.
- Built reusable October CMS components and plugins improving development efficiency and code quality.
- Collaborated effectively in cross-functional teams using agile methodologies ensuring timely project delivery.