

Ahmed Mohamed Marey

Backend Engineer

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Profile

Backend Engineer experienced in building scalable, reliable production systems serving millions of users across MENA. Strong in API development, system architecture, database design, performance optimization, real-time workflows, and third-party integrations, with the adaptability to work across different technologies and business domains.

Professional Experience

Tara, Backend Engineer (Full-time) 05/2025 – Present | Remote, Saudi Arabia

- Build and maintain production backend systems supporting high-traffic mobile applications used by millions of users across MENA.
- Design and optimize secure APIs with an emphasis on performance, reliability, and maintainable architecture.
- Develop and enhance responsive frontend features that integrate with backend services and mobile workflows.
- Modernize legacy systems by resolving technical debt, improving database operations, and strengthening application stability.
- Collaborate with product, frontend, and mobile teams to plan, deliver, and maintain new platform features.

Nexus, Co-Founder & Technical Lead (Part-time) 05/2024 – Present | Remote

- Co-founded and lead a development team delivering web and mobile solutions across multiple business domains.
- Own project delivery from requirements gathering and architecture design through implementation, deployment, and maintenance.
- Work directly with clients to translate business requirements into practical, scalable technical solutions.
- Plan development tasks, distribute work, review code, and maintain engineering quality standards.
- Guide technical decisions and coordinate production releases across concurrent projects.

Da'em, Backend Developer 01/2025 – 05/2025 | Mansoura, Egypt

- Built backend systems for production marketplaces, e-commerce platforms, content-management systems, and educational products.
- Designed REST APIs supporting payments, authentication, user management, real-time interactions, and operational workflows.
- Integrated third-party services for payments, messaging, notifications, and external business operations.
- Improved application performance and reliability by optimizing database queries and resolving production issues.
- Collaborated with cross-functional teams to deliver features and support production deployments.

Fourth Pyramid, Backend Developer 07/2024 – 01/2025 | Mansoura, Egypt

- Developed backend systems for enterprise, administrative, HR, and order-management platforms.
- Designed APIs and database workflows supporting user roles, permissions, orders, and internal operations.
- Diagnosed and resolved database and application issues while enhancing existing system features.
- Supported deployments and collaborated with cross-functional teams to ensure reliable production delivery.

Skills

Languages: PHP, Python, JavaScript, TypeScript, SQL

Backend: Laravel, FastAPI, REST APIs, OOP, SOLID, Queues

Frontend: React, Next.js, Blade, Livewire, Tailwind CSS, Material UI

Databases & Caching: MySQL, PostgreSQL, MongoDB, Redis, Database Design, Query Optimization

Integrations: WebSockets, Pusher, Firebase, Payment Gateways, SMS, WhatsApp, Email Services, Webhooks

DevOps & Tools: Git, GitHub, GitLab, Docker, CI/CD, Linux, Deployment, Web Scraping

Projects

Rosy Calc [↗](#)

- Enhanced and maintained backend systems for a high-traffic women's health application serving more than 5 million users across MENA.
- Implemented social authentication, in-app community features, and administration dashboard functionality.
- Diagnosed and resolved critical production issues, improving application reliability and the overall user experience.

Nawaya Events [↗](#)

- Developed a backend for a multi-service platform offering workshops, product sales, and consultations.
- Built an operations dashboard for managing workshops, certificates, wallets, refunds, users, and communications.
- Integrated payment gateways, Firebase, WhatsApp, and email services with secure role-based access control.
- Deployed and maintained the production system, ensuring stable operation across its services.

Bekam2day [↗](#)

- Built and maintained backend systems for a multi-role platform supporting more than 200,000 users and providers
- Implemented role-based access control, operational workflows, and real-time provider chatting using Pusher.
- Integrated Paymob, Firebase, SMS, and WhatsApp services to support payments, notifications, and user communications.

MTEExpress [↗](#)

- Engineered a production ERP that manages the complete shipping lifecycle, from order creation and assignment through delivery, returns, settlements, and financial reconciliation.
- Developed interconnected operational workflows for administrators, operations teams, agents, merchants, and delivery delegates, with role-based access and visibility.
- Built financial and operational reporting to track collections, settlements, delayed shipments, returned orders, and overall delivery performance.

Smart Student [↗](#)

- Enhanced a major Kuwaiti learning-management platform serving thousands of students and teachers.
- Implemented online exams, question banks, course and center subscriptions, private teacher-student sessions, and Jitsi-powered live classes.
- Migrated the production platform between hosting environments without data loss and developed dashboards for managing teachers, subjects, courses, and subscriptions.

Gado HR [↗](#)

- Developed a comprehensive HR platform system and a centralized administration dashboard.
- Implemented location-based attendance, leave requests, advances, deductions, meetings, insurance, reports, and employee management.
- Automated payslip and payroll calculations based on attendance records, leaves, deductions and advances

Insta Price [↗](#)

- Built a production backend for tracking currency and gold prices, financial news, and user-configurable price alerts.
- Developed Python scrapers that collect and import market data every minute.
- Automated alert evaluation and Firebase notifications whenever prices match users' conditions.

Uranus – E2EE Chat App [↗](#)

- Engineered an open-source, end-to-end encrypted chat platform across Flutter, Laravel APIs, and a privacy-focused administration dashboard.
- Built secure private messaging, media sharing, friendships, presence, typing indicators, and delivery/read tracking with real-time Pusher channels.
- Implemented OTP authentication, Firebase notifications, and Redis-backed background processing while ensuring administrators cannot access private message content or attachments.

Education

Bachelor of Biomedical Informatics,
Faculty of Computers and Information, Mansoura University

2020 – 2024 | Mansoura, Egypt