

Hisham Medhat

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EDUCATION

Bachelor of Computers and Data Science - 3.6 GPA

Alexandria University

Oct 2020 - Jun 2024

Alexandria

SKILLS

Programming Languages Python | Java | PHP | Go | JavaScript

Technologies AWS | GCP | Azure | Hetzner | Docker | Git | Redis | Laravel | React | Vue | Tailwind | jQuery
FastAPI | CI/CD | GraphQL | MongoDB | NestJS | Grafana | Loki

EXPERIENCE

GameIN

Feb 2025 - Present

Backend Engineer, Full-time

Dubai, UAE

- Built a Hono/Bun observability platform ingesting telemetry from 15+ production services with real-time Slack alerts, request enrichment, and product-level analytics.
- Architected enterprise metaverse backends using NestJS, Prisma, and PostgreSQL, supporting SAML SSO, multiplayer sessions, mini-games, Stripe billing, and E2E testing.
- Integrated Sharjah Municipality property systems through NestJS SOAP/XML middleware with UAE Pass authentication for citizen services.
- Delivered the Zayed University Metaverse platform with SAML SSO, interactive learning workflows, and automated test coverage.
- Shipped supporting backend services including a widget API, GeoIP URL shortener, and session management APIs using Hono/Bun and Drizzle ORM.
- Reduced monthly cloud costs by 80% across AWS, Azure, and Railway while deploying Umami analytics across company websites.
- Standardized backend delivery practices with PR workflows, code reviews, GitHub Actions CI/CD, and automated testing across projects.

Sedra

Feb 2025 - Present

Backend Engineer, Part-time

Remote

- Architected a multi-tenant Laravel SaaS backend with Spatie Teams, request-scoped guards, and repository-level filters for strict tenant data isolation.
- Provisioned production infrastructure on Hetzner using FrankenPHP, Laravel Octane, PostgreSQL, Redis, Supervisor, and Cloudflare Origin TLS.
- Automated GitHub Actions CI/CD with Tailscale SSH, zero-downtime Octane reloads, and post-deployment health checks.
- Delivered core SaaS modules including profiles, class scheduling, subscriptions, RBAC, dashboards, reports, and in-app notifications.
- Collaborated with frontend engineers to define API contracts and OpenAPI documentation across tenant-facing workflows.

Sprints

Sep 2024 - Feb 2025

Software Engineer, Full-time

Cairo, Egypt

- Maintained and refactored a Laravel MVC-based LMS platform serving 200,000+ users, improving scalability, maintainability, and legacy code quality.
- Optimized critical database paths by eliminating redundant queries and improving data access patterns, significantly reducing per-request load.
- Reduced CI build and deployment time by 75% through pipeline optimization, faster feedback loops, and improved release reliability.
- Led development of AIAT, a full-stack AI course-generation platform using React, FastAPI, Django, and MongoDB.
- Architected Docker-based infrastructure and observability tooling using Grafana, Loki, logging, monitoring, and alerting across development, staging, and production environments.

*Backend Engineer, Full-time**Alexandria, Egypt*

- Designed an automated overtime engine with configurable rates, intervals, rounding rules, completed work-hour calculations, and customizable limits.
- Built smart attendance policies that automatically penalize tardiness, no-shows, missed sign-outs, early departures, and absences based on configurable rules.
- Developed leave adjustment workflows enabling administrators to modify employee leave balances with full audit tracking.
- Optimized SQL queries and database indexing in the internal CRM, doubling query throughput and reducing page load times across reporting workflows.
- Wrote 500+ PHPUnit integration tests covering attendance, overtime, leave, and penalty workflows, improving regression detection before deployment.
- Delivered Laravel and MySQL backend features with GraphQL APIs and Sentry monitoring, supporting 10,000+ active users.

Sint**Feb 2024 - Sep 2024***Backend Engineer, Part-time**Alexandria, Egypt*

- Developed Sint's AI recruiting platform using Laravel, Domain-Driven Design, and Test-Driven Development practices.
- Integrated OpenAI APIs to power AI-driven recruiting workflows, candidate evaluation features, and automated report generation.
- Designed and optimized MySQL schemas for data-intensive recruiting workflows, improving query performance and platform reliability.