

Mohammed Ayedh Alnuaimi

Senior Software Engineer · Platform Architect · Multi-Tenant SaaS

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PROFILE

Software engineer with 5+ years building enterprise B2B products, now the founding architect of **Deep I** — the modular, database-per-tenant Laravel platform behind Cerebra's three commercial cybersecurity products: **BeShield** (governance, risk & compliance), **PhishGuard** (phishing simulation & response) and **InfoShield** (security awareness training). I own the shared foundations (tenancy, enterprise SSO, licensing, notifications, localization) and built BeShield end-to-end. Outside work I design and ship my own SaaS products, including a live ZATCA-integrated platform. Comfortable owning a system from schema and architecture through delivery pipeline and production operations.

EXPERIENCE

Software Engineer — Cerebra Oct 2023 – Present · Riyadh, KSA

Software Engineer (Jan 2025 – Present) · Associate Software Engineer (Oct 2023 – Jan 2025)

- **Founded and architected the core of Deep I**, the platform on which Cerebra's three commercial products run — **BeShield** (GRC), **PhishGuard** (phishing simulation) and **InfoShield** (security awareness training) — defining the module system, shared domain layer, and cross-product integration contracts (~2,800 application classes across the codebase).
- Built **database-per-tenant multi-tenancy on SQL Server** with a custom tenant database manager, tenant bootstrappers and per-tenant settings, enabling fully isolated enterprise deployments from a single codebase.
- Delivered **enterprise identity and access**: SAML 2.0 (with metadata generation and a built-in SSO tester), Microsoft Entra ID / Azure AD, and LDAP / Active Directory user provisioning with scheduled synchronization, reconciliation summaries and authentication audit logs.
- Designed the **licensing subsystem** — installer, validator, seat allocation and runtime guard — that gates per-tenant access to modules and user seats.
- **Built BeShield end-to-end** (56 domain models): risk register and risk projects, risk assessments, compliance frameworks with control mapping, internal controls, audit management (plans, scopes, observations), third-party and vendor risk, vulnerability management with **Tenable** integration, dark-web monitoring, exception requests, remediation plans, and the full policy lifecycle with acknowledgment tracking and document export.
- Principal engineer on **PhishGuard**: campaign engine and scheduler, template and landing-page builders with AI-assisted generation, QR-code and attachment lures, delivery via Microsoft Graph, click/open tracking with user-agent analysis, and layered risk scoring per user, group, department and organization feeding executive reports and SOAR integration.
- Built the **PhishGuard Outlook add-in** (C# / VSTO, .NET Framework 4.8, Outlook 2019+) — a one-click "Report Phishing" ribbon for both simulated and genuine suspicious mail, shipped as a code-signed MSI (WIX) for enterprise deployment.
- Core contributor to **InfoShield** (courses, awareness library, gamification, certificates) and to the central content library shared across tenants.
- Scaled and hardened the platform with **Laravel Octane**, **Horizon** queues for campaign and sync workloads, Nightwatch monitoring, Mixpanel product analytics, and full Arabic/English (RTL) localization.
- Led the platform-wide upgrade to **PHP 8.4 / Laravel 13 / Filament 5** across all modules, and set up **Docker** and **GitLab CI/CD** deployment pipelines.
- Recipient of Cerebra's **Innovation & Creativity Award** for contributions to BeShield.

Information Technology Engineer — Al-Hitar Co. for Exchange & Money Jan 2021 – Jul 2023 · Sana'a, Yemen

Transfers

- Developed desktop and web applications for exchange and money-transfer operations using **ASP.NET** and **Microsoft SQL Server**.
- Designed and administered the relational databases and operational reporting used across company branches.
- Doubled as network engineer — configured, secured and maintained the company network and backup infrastructure.

INDEPENDENT PRODUCTS

- Yaqa — yaqa.app** · Founder & sole engineer · Laravel, multi-tenant SaaS · live commercial product
- Subscription SaaS for tailoring businesses in Saudi Arabia: persistent customer measurement records, production-stage workflow (cutting → sewing → pressing → delivery), fabric inventory with automatic deduction per order, deposits and balances, role-based staff accounts, and WhatsApp customer notifications.
 - Integrated **ZATCA e-invoicing** — compliant electronic invoices with QR codes generated and submitted automatically.
- Yemen Pay** · Electronic payment gateway · Laravel / ASP.NET

TECHNICAL SKILLS

Languages	PHP, C#, JavaScript, Java, SQL / PL-SQL, C++
Backend	Laravel 13, Filament 5, Livewire, Octane, Horizon, Sanctum, Socialite, Spring Boot, ASP.NET Core & MVC, VSTO
Frontend	Alpine.js, TailwindCSS, Blade, Vue.js, HTML, CSS, Bootstrap
Data	Microsoft SQL Server, MySQL, Oracle, Redis, schema design & query optimization
Architecture	Multi-tenant SaaS (database-per-tenant), modular monolith, RESTful APIs, queues & background jobs, event-driven design, RBAC / policy authorization
Security & IAM	SAML 2.0, Azure Entra ID / OAuth 2.0, LDAP & Active Directory, activity & authentication audit logging
DevOps	Docker, GitLab CI/CD, Git, Nginx, Apache, IIS, Linux (RHEL, Ubuntu)
Testing	Pest, PHPUnit, Laravel Pint, static analysis
Domain	Governance, Risk & Compliance · security awareness & phishing simulation · fintech & e-invoicing (ZATCA)

EDUCATION

Higher Technical Diploma, Information Technology
Sana'a Community College · 2018 – 2021
Average 92.73% — Grade: Excellent

CERTIFICATIONS & LANGUAGES

Spring Boot for Beginners — Amigoscode (Dec 2025)
Arabic — native · English — professional working