

DHIA KAHRI

FULL-STACK SOFTWARE ENGINEER • .NET & ANGULAR SPECIALIST

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with 6+ years of experience engineering high-performance web and desktop applications across fintech, enterprise platforms, gaming, and digital products. Specialized in .NET/C#, Angular, TypeScript, and SQL database engineering, with proven expertise in Clean Architecture, schema migrations, and scalable REST API design. Demonstrated track record in legacy code modernization, automated data manipulation, query optimization, granular RBAC security implementation, and integrating modern AI agent workflows (MCP servers, AI-assisted development tools) into production engineering pipelines.

TECHNICAL SKILLS

Backend & APIs: .NET Core / ASP.NET Core, C#, Entity Framework Core, LINQ, RESTful APIs, Web APIs, Node.js, NestJS, FastAPI

Frontend & Web: Angular, TypeScript, JavaScript, React, Next.js, Vue.js, Tailwind CSS, HTML5/CSS3, Ionic

Database & Architecture: SQL Server, PostgreSQL, SQLite, Database Schema Migrations, Complex Data Manipulation, Query Optimization, Clean Architecture, CQRS, DDD, Granular RBAC Permissions

AI Tooling & Methodologies: Model Context Protocol (MCP) Servers, AI-Assisted Development Tools, Agentic Tool Integration, Git, CI/CD, Agile/Scrum

Desktop & Interactive: .NET Desktop (WinForms/WPF), Unity (C#), Android Native Integration, Phaser.js, Overwolf SDK

PROFESSIONAL EXPERIENCE

Full Stack Developer (.NET & Angular) | MS Solutions Group

Sep 2024 – Present

- Client Platform Consolidation:** Architected and implemented core modules in a Clean Architecture consolidation initiative, unifying multiple client-specific platform variants into a single, highly configurable Angular and .NET solution, reducing codebase duplication by 40%.
- Enterprise Payment Systems:** Engineered web administration portals and backend APIs for mission-critical electronic payment solutions (SPARK MPAY, SPARK Drive, SPARK Gateway) serving banking, telecom, government, and retail clients.
- Database Engineering & Migrations:** Executed comprehensive database engineering operations, including designing automated schema migrations, executing complex data manipulation scripts (DML/DDI), and refactoring raw SQL and EF Core / LINQ queries for high-throughput merchant platforms.
- Hierarchical Access Control & Security:** Designed and implemented a fine-grained user permissions system featuring hierarchical permission dependencies, enforcing secure Role-Based Access Control (RBAC) across enterprise administration portals.
- Asynchronous Background Processing:** Engineered background execution queues and worker services dedicated to asynchronous file manipulation, automated document processing, and PDF generation pipelines.
- Dashboard Rewrites & Remote POS:** Modernized remote POS management dashboards for SPARK Drive, enhancing real-time terminal monitoring, configuration routing, and transaction reporting across banking infrastructure.
- Production Problem Resolution:** Diagnosed and resolved critical production issues, including resolving cross-database SQL collation mismatches, refactoring broken LINQ Union operations, and fixing date-parsing and token validation edge cases in payment web services.

Full Stack Web Developer | Mena Titans

Nov 2022 – Jan 2024

- Gaming Desktop Application:** Developed React frontend features for 'Peeps', an Overwolf desktop application designed for high-performance gameplay clip recording, editing, and instant sharing.

- **Companion Web Platform:** Engineered full-stack companion web workflows using Next.js, TypeScript, and Tailwind CSS, implementing video upload pipelines, cloud playback, and social sharing features.

Full Stack Web Developer | Davos Energy LLC

Aug 2022 – Nov 2022

- **Technical SEO & Routing System:** Engineered dynamic slug-based URL routing systems, automated sitemap and robots.txt generation pipelines, and technical SEO structure for a U.S. energy and gas directory platform, significantly improving search indexing and site readability.

Full Stack Web Developer | Lobsterware

Jan 2022 – Mar 2022

- **No-Code Web Platform:** Contributed to the Vue.js frontend interface and Node.js backend infrastructure of a drag-and-drop website creation platform.

Full-Stack Web Developer | Wimobi

Nov 2019 – Jul 2020

- **Enterprise Web Applications:** Built full-stack web applications and client-facing web portals utilizing JavaScript, C#, ASP.NET Core, and RESTful web service integrations.

Web & Game Developer | The Noon Agency & Astute Software

Aug 2017 – Oct 2019

- **Interactive Web & AR Apps:** Developed interactive web products, browser-based promotional games using Phaser.js, and augmented reality prototypes built in Unity (C#).

.NET Desktop Developer | Perif Informatique

May 2017 – Jul 2017

- **Desktop Stock Management Software:** Engineered desktop stock and inventory management software using .NET / C#, implementing relational database schema integration, stock reconciliation routines, and transactional logging features.

Game & Mobile Developer | othersDev & ERNST

May 2016 – Apr 2017

- **Mobile & Interactive Products:** Developed and published mobile applications on Google Play (including Swifty Clouds) and built interactive application prototypes in Unity.

OPEN SOURCE & TECHNICAL PROJECTS

NativeAndroidElements | Unity / Android Open Source Library

GitHub

- **Native Android Integration:** Developed and published an open-source C# Unity library facilitating seamless native Android UI component integration within Unity cross-platform applications (github.com/blckangl/NativeAndroidElements).

EDUCATION & CERTIFICATIONS

Master's Degree in Software Systems Engineering | Université de Monastir

2019

Bachelor's Degree in Computer Science | Université de Monastir

2016

Certifications & Languages: HackerRank Angular (Intermediate, 2021) • Arabic (Native) • English (Fluent) • French (Fluent)