

# MOHAMED MAMDOUH AMER

Senior Flutter Engineer · Specializing in Scalable Architecture & Performance Optimization  
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## TECHNICAL SKILLS

- **Core:** Flutter, Dart, Clean Architecture, BLoC, REST APIs, GraphQL
- **Real-Time:** Socket.io, Server-Sent Events (SSE), Pusher, Agora RTC
- **Payments:** Moyasar, Tabby, ClickPay, In-App Purchases (iOS & Android)
- **Infrastructure:** CI/CD, Firebase, Git, Agile / Scrum
- **Native Integration:** Platform Channels, Biometric Auth, Push Notifications, Deep Linking

## PROFESSIONAL EXPERIENCE

Senior Mobile Engineer	<u>Dnaneer</u>	.	<i>Full-time</i>
Riyadh, Saudi Arabia	· Jan 2026 – Present		
	<ul style="list-style-type: none"><li>• <b>Core Auth &amp; Compliance:</b> Designed and built the end-to-end auth module (Reg/Login/OTP), integrating FaceID/TouchID, Nafath identity verification, and complex 2-step Institutional KYC flows.</li><li>• <b>State Management Optimization:</b> Refined the Clean Architecture &amp; BLoC/Cubit foundation, significantly improving testability and code modularity for dual investor profiles (Individual/Institutional).</li><li>• <b>UI System Engineering:</b> Built a reusable, localized (Ar/En) widget library (searchable dropdowns, smart filters), reducing technical debt by ~40% and unifying design consistency.</li></ul>		
Senior Technical Consultant	<u>Siryah Alarab IT</u>	.	<i>Contract</i>
Dammam, Saudi Arabia	· Mar 2025 – Present		
	<ul style="list-style-type: none"><li>• <b>SAMA-Compliant Fintech Launch:</b> Sole engineer and developer of the <i>NFH</i> lending platform — delivered end-to-end in 6 months, covering biometric authentication, multi-step loan origination, real-time chat (Socket.io), and secure document management.</li><li>• <b>Regulatory Engineering:</b> Implemented SAMA-mandated security and compliance flows including identity verification, credit assessment pipelines, and audit-ready data handling.</li><li>• <b>White-Label Architecture:</b> Designed a modular, brand-agnostic codebase (Clean Architecture + BLoC) enabling rapid deployment for multiple financial entities with minimal per-client customization.</li></ul>		
Senior Flutter Engineer	<u>Crunch LTD</u>	.	<i>Full-time</i>
Dubai, UAE	· Jan 2025 – Dec 2025		
	<ul style="list-style-type: none"><li>• <b>Architectural Redesign:</b> Led and delivered Crunch 2.0.0 — a full-scale redesign migrating from a monolithic codebase to Clean Architecture with BLoC, cutting feature development cycle time by ~30%.</li><li>• <b>Local-First Data Layer:</b> Built a robust local data management layer with intelligent caching, reducing redundant API calls and improving app responsiveness.</li><li>• <b>Real-Time Fintech:</b> Integrated Lean SDK with Server-Sent Events (SSE) for real-time bank account synchronization, eliminating manual data refresh friction.</li><li>• <b>Revenue Operations:</b> Resolved critical in-app purchase reliability issues (iOS &amp; Android) by refactoring subscription flows with end-to-end receipt validation.</li><li>• <b>Growth Engineering:</b> Implemented GoRouter-based deep linking, enabling marketing-driven user acquisition campaigns.</li></ul>		
Lead Mobile Consultant	<u>SOLDOUT</u>	.	<i>Contract</i>
Saudi Arabia	· Feb 2024 – Nov 2025		
	<ul style="list-style-type: none"><li>• <b>Revenue Impact:</b> Engineered real-time bidding flows with WebSocket-driven updates, directly contributing to <b>60% revenue growth</b> and scaling platform to <b>1M+ SAR revenue</b>.</li><li>• <b>System Rebuild:</b> Led a 4-person cross-functional team to build a live-bidding platform from the ground up, ensuring scalability for high-concurrency auctions.</li><li>• <b>Offline-First:</b> Designed data layers with intelligent caching to ensure reliability during critical live auctions on unstable networks.</li></ul>		

<b>Senior Flutter Engineer</b>	<b>Tayseer Finance</b>	<b>Contract</b>
Dhahran, Saudi Arabia	· Aug 2024 – Mar 2025	
• <b>Full-Scale App Rebuild:</b> Spearheaded the complete ground-up rebuild of the Tayseer Finance app, replacing an unstructured legacy codebase with clean MVC architecture — delivered within 7 months.		
• <b>SAMA Regulatory Compliance:</b> Engineered compliance-critical features including secure loan application flows, identity verification, and financial data handling aligned with SAMA regulatory standards.		
• <b>Dual-Track Delivery:</b> Simultaneously maintained the legacy production app (critical bug fixes, stability patches) while delivering the v2 rebuild on schedule — zero production downtime during the transition.		
<b>Flutter Engineer</b>	<b>Codelink</b>	<b>Full-time</b>
Riyadh, Saudi Arabia	· Jun 2023 – Aug 2024	
• <b>End-to-End Delivery:</b> Shipped 6 production apps across healthcare, edtech, recruitment, and fitness domains within 14 months, ensuring 98%+ crash-free rates.		
• <b>Complex Features:</b> Built <i>Diet Watchers</i> (social auth, GPS tracking), <i>Tawzea</i> (real-estate crowdfunding, KYC, ClickPay), and <i>Hayatona Clinics</i> (Agora RTC video consultations).		
• <b>Quality Assurance:</b> Established strict code review standards and improved call stability for telemedicine modules.		
<b>Flutter Engineer</b>	<b>Plementus</b>	<b>Full-time</b>
Cairo, Egypt	· Feb 2023 – Jun 2023	
• <b>Rapid Delivery:</b> Delivered 4 production apps as sole developer, including medical imaging solutions ( <i>MRC</i> ), <i>Red Bull Driver's App</i> , and an Odoo-integrated mobile ERP client.		
<b>Flutter Engineer</b>	<b>Skysoft</b>	<b>Long-term Retainer</b>
Egypt	· Oct 2021 – Aug 2025	
• <b>Enterprise Suite:</b> Developed and maintained a suite of enterprise sales tools ( <i>Smart Sales</i> , <i>Smart Market</i> , <i>Smart Prices</i> ) as the primary mobile developer, supporting long-term production use for B2B clients.		
<b>Flutter Engineer</b>	<b>Invasso</b>	<b>Full-time</b>
NJ, USA (Remote)	· Jul 2021 – Feb 2023	
• <b>Logistics Platform:</b> Developed <i>JTL Express</i> with real-time shipment tracking, route visualization, and driver dispatch workflows.		
• <b>Regulatory Compliance:</b> Built <i>MXI</i> hazardous waste management suite, handling complex regulatory manifests and compliance workflows.		
• <b>White-Label Solutions:</b> Delivered <i>ML Bagels</i> restaurant ordering platform with full order lifecycle management.		

## EDUCATION

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### Bachelor of Computer Science — Ahram Canadian University

Cairo, Egypt · 2016 – 2020

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## LANGUAGES

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- English — Professional Proficiency
- Arabic — Native