Mohammed Ahmed Rasheed Al-Thumail



Software Engineer & Digital Systems Architect — Full-Stack, ERP & Flutter

Ramadi, Anbar, Iraq | **+964 782 993 3540** | **brokmtf@gmail.com** | **itbrok.github.io** | **github.com/itbrok**

PROFESSIONAL SUMMARY

Results-driven Software Engineer and Computer Science **Valedictorian (Ranked #1)** with hands-on experience architecting, shipping, and maintaining commercial ERP suites, high-speed POS systems, cross-platform Flutter mobile applications, corporate web/CRM platforms, and browser extensions. Proven track record of translating complex financial, inventory, and field workflows into fast, reliable, offline-capable software.

SOFTWARE ENGINEERING EXPERIENCE

Independent Software Engineer & Systems Architect

Ramadi, Iraq · Full-Lifecycle Commercial Systems

Enterprise Desktop (ERP / POS), Cross-Platform Mobile & Corporate Web / CRM

- **Enterprise Construction ERP (ICMS v2.5):** Architected and shipped a commercial offline-first, multi-user LAN Windows ERP tailored for contracting firms—automating multi-partner capital equity & profit distribution, site sub-treasuries, BOQ vs. wastage material tracking, subcontractor progress billing deductions, fleet maintenance logs, and daily wage payroll.
- **Desktop Point-of-Sale (Flex POS):** Engineered a low-latency desktop invoicing and inventory platform featuring direct **ESC/POS thermal receipt printer drivers**, barcode scanner hardware I/O, and real-time stock control.
- **Corporate Web & Internal CRM Systems:** Designed and deployed institutional web portals and internal business platforms for **Al-Jiwar Co.** (sales operations & CRM), **Anbar National Youth Council**, and **Creative Shot Co.**
- **End-to-End Product Delivery:** Led stakeholder requirements analysis, relational database modeling (DBML, SQL), RESTful API architecture, UI/UX design, hardware integration, deployment, and automated updates.

SELECTED APPLICATIONS & PUBLISHED PRODUCTS

Safi — Service Marketplace — **Flutter · Mobile App**
Two-sided mobile marketplace connecting local skilled tradespeople with clients, with booking, order workflows, and status tracking.

Madyan — Financial Ledger — **Flutter · Offline-First**
Offline-first personal and merchant credit/debt ledger designed for fast, reliable financial recordkeeping without internet dependency.

Keyboardly ↗ — **Chrome Web Store · MV3**
Published Chrome extension providing an instant Ctrl+Space snippet, text, and command launcher powered by fuzzy search.

Maham — Operations Tracker — **Flutter · Enterprise App**
Operations management app enabling leadership to assign, monitor, and audit team tasks and execution workflows in real time.

SLIDE (Google Play) & Macropad ↗ — **Google Play · Mobile**
Published SLIDE on Google Play Store (500+ offline puzzle levels), plus Macropad, a wireless mobile macro deck for PC automation.

Dashtab & Chrona ↗ — **Chrome Web Store · MV3**
Published distraction-free New Tab workspace (Dashtab) and privacy-first 100% local browsing time analytics monitor (Chrona).

TECHNICAL SKILLS

Backend Engineering:	PHP, Laravel, C# (.NET Core), Node.js, Express.js, Python, RESTful API Design & Authentication
Mobile & Frontend:	Flutter, Dart, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Chrome Extensions (Manifest V3)
Databases & Modeling:	MySQL, MariaDB, Microsoft SQL Server, SQLite, Relational Database Architecture & DBML
Systems & Hardware:	Offline-First & Multi-User LAN Sync, ESC/POS Thermal Printer Drivers, Barcode I/O, Git & GitHub

EDUCATION & ACADEMIC HONORS

B.Sc. in Computer Science & Information Technology — University of Anbar

Ramadi, Iraq

- **Valedictorian (Ranked 1st Overall):** Graduated 1st in class across the entire College of Computer Science and Information Technology with honors.

LANGUAGES

Arabic: Native | **English:** Professional Working Proficiency