MOHAMED ADAM BIN AJMAL KHAN

Analyst Programmer | Full-Stack Developer | Enterprise Solutions Specialist

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Analyst Programmer with **3+ years** of hands-on experience in **enterprise application development, system integration, and financial software solutions**. Expertise in **Java-based enterprise systems, mobile applications, and web-based solutions** with strong background in **banking and inventory management systems**. Currently pursuing **Master of Science in Artificial Intelligence** to enhance analytical and problem-solving capabilities. Proven track record in **complete software development lifecycle** from research and analysis to implementation and technical support.

TECHNICAL EXPERTISE

Programming Languages

- **Java** (Enterprise Applications, Desktop Solutions, API Integration)

- **Flutter/Dart** (Cross-Platform Enterprise Mobile Applications)

- **TypeScript/JavaScript** (Enterprise Web Applications, React, Next.js)

- **PHP, SQL** (Database-Driven Applications)

- **HTML5, CSS3** (Frontend Development)

Frontend Technologies

- **React 19, Next.js 15** (Modern Web Applications)

- **Flutter** (Cross-Platform Mobile Development)

- **jQuery, JSON, Ajax, JavaScript**

- **HTML5, XML, CSS, Bootstrap**

- **Tailwind CSS, shadcn/ui** (Component Libraries)

- **REST API Integration, State Management**

Mobile & Cross-Platform Development

- **Flutter** (Android, iOS, Desktop, Web)

- **Provider State Management** (Enterprise-Grade Applications)

- **Cross-Platform Deployment** (Multi-Device Solutions)

- **Native Mobile Features Integration**

Frameworks & Libraries

- **Next.js, React** (Full-Stack Web Applications)

- **Flutter Framework** (Cross-Platform Solutions)

- **Express.js, Node.js** (Backend Services)

- **Provider, Zustand** (State Management)

- **Framer Motion** (Animations)

Database Systems

- **Microsoft SQL Server** (2016, 2019)

- **MySQL** (Production Environment)

- **PostgreSQL** (Enterprise Applications)

Development Tools & Platforms

- **Android Studio** (Mobile Development)

- **Eclipse IDE** (Java Development)

- **Flutter SDK** (Cross-Platform Development)

- **GitHub** (Version Control)

- **Jasper Reports** (Report Generation)

- **Visual Studio Code** (Multi-Platform Development)

Operating Systems

- **Windows Server** (2016, 2019)

- **Linux** (Development Environment)

EDUCATION

Master of Science in Artificial Intelligence *(Part-Time)*
Asia Pacific University of Technology & Innovation | Aug 2025 - Aug 2027
Currently Enrolled - Enhancing analytical and problem-solving capabilities

Bachelor of Science (Honours) Computing - Upper Second Class Honours
Segi College Kuala Lumpur | 2021 - 2024

Foundation in Information Technology
Segi College Kuala Lumpur | 2021 | **CGPA: 3.78**

Sijil Pelajaran Malaysia (SPM)
Sekolah Menengah Kebangsaan Hillcrest | 2019

PROFESSIONAL EXPERIENCE

Full-Stack Analyst Programmer

Murifa Technology and System Sdn. Bhd. | Aug 2024 - Present | *Petaling Jaya, Selangor*

Enterprise Software Solutions & Restaurant Management Systems:

- **Researched, analyzed, designed, and implemented** complete **Java-based enterprise software solutions** for inventory management and financial systems

- **Developed comprehensive QR Customer Ordering System** (https://myposqr.com/qrsales/out/menu/?id=283&t=10) using **Next.js, React, and TypeScript** with dual API integration strategy, serving multiple restaurants with real-time order processing

- **Built advanced restaurant management platform** featuring **mobile-first responsive design, state management with Zustand, API caching with ETags, and seamless cart functionality** processing 1000+ daily orders

- **Led migration and development of enterprise Flutter Waiter KOT Application** with **Provider state management, cross-platform deployment (Android/iOS/Desktop/Web), and modular architecture** serving restaurant chain operations

- **Implemented sophisticated POS system** with **real-time order tracking, table management, inventory integration, addon/hotkey pricing engine, and multi-section dashboard** supporting concurrent waiter operations

- **Developed comprehensive inventory stock management system** (https://aliefmaju.com/) with **real-time tracking, automated reporting, and SQL Server integration** serving 500+ daily transactions

- **Created currency and customer management application** using **Java enterprise architecture** and **REST API integration** for real-time financial data processing

- **Built money changer agent application** with **transaction management, PDF/Excel reporting capabilities**, and **secure payment processing modules**

- **Implemented employee sales management system** featuring **attendance tracking, financial reporting, and expense management modules**

System Integration & Technical Support:

- **Provided onsite technical support** for enterprise clients, resolving **critical system issues** and ensuring **99.5% uptime**

- **Developed and maintained comprehensive application documentation** for all software solutions

- **Collaborated with project development teams** to deliver solutions within tight deadlines

- **Modernized company website** using latest frameworks, achieving **20% increase in SEO ranking** and **20% improvement in customer engagement**

Database & API Development:

- **Designed and optimized SQL Server databases** for enterprise applications with complex data relationships

- **Built robust REST APIs with advanced caching strategies** including **ETag generation, SWR revalidation, and request deduplication**

- **Implemented dual API integration architecture** with **automatic failover mechanisms** and **network resilience features**

- **Developed secure authentication and authorization systems** for financial and restaurant management applications

- **Created comprehensive API documentation** and **maintained high-performance backend services** supporting 1000+ concurrent users

Web Developer

Silicone Zone Networks | 2022 - 2024 | *Remote*

- **Implemented responsive design principles** ensuring cross-browser compatibility and mobile optimization
- **Optimized website performance** for speed and SEO, achieving significant performance improvements
- **Enhanced existing applications** with new features and improved user experience

Multimedia Specialist & IT Technician

Wash & Wear Laundry | 2022 - 2024 | *Remote*

- **Designed promotional materials** and marketing initiatives aligned with brand guidelines
- **Managed IT infrastructure** including hardware, software, and network systems
- **Provided comprehensive technical support** and system maintenance

Multimedia Specialist & IT Technician

Tune Tech Voiture Sdn. Bhd. | 2017 - 2019 | *Remote*

- **Created visual designs** for promotional materials and marketing campaigns
- **Maintained network infrastructure** including routers, switches, and security systems
- **Ensured system security** and performed routine maintenance procedures

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KEY PROJECTS

QR Customer Ordering & Restaurant Management System

Technologies: Next.js 15, React 19, TypeScript, Zustand, REST API, SQL Integration
Production URL: https://myposqr.com/qrsales/out/menu/?id=283&t=10

- **Architected and developed enterprise-grade QR ordering platform** serving multiple restaurants with **mobile-first responsive design** and **real-time order processing**
- **Implemented dual API integration strategy** with **Next.js API routes featuring ETag caching, SWR revalidation, request deduplication, and automatic failover** to direct PHP endpoints
- **Built comprehensive state management system** using **Zustand** for cart, menu, addons, and order history with **persistent data handling** and **optimized performance**

- **Developed sophisticated cart functionality** with **item customization, addon management, quantity controls, and real-time total calculations** supporting complex restaurant operations

- **Created seamless customer flow** from **QR scan to kitchen order submission** with **order confirmation, customer details capture, and order history tracking**

- **Integrated secure payment processing** and **order management** with **comprehensive error handling** and **network resilience features**

Enterprise Flutter Waiter KOT Application

Technologies: Flutter/Dart, Provider State Management, REST API, Cross-Platform Deployment
Platforms: Android, iOS, Desktop (Windows/Linux/macOS), Web

- **Led complete migration and modernization** of legacy waiter application to **Flutter with enterprise-grade architecture** and **Provider state management** serving restaurant chain operations

- **Architected comprehensive POS system** with **real-time order tracking, multi-section table management (A-E sections), and Kitchen Order Ticket (KOT) processing** supporting concurrent waiter operations

- **Implemented sophisticated cart engine** with **addon management, hotkey pricing, pax counters, print flags, and robust payload composition** for complex restaurant order processing

- **Developed responsive dashboard** with **running order summaries, section-based navigation, table status tracking, and real-time financial totals** for operational efficiency

- **Built cross-platform deployment pipeline** supporting **Android APK/AppBundle, Windows Desktop, Web, and iOS** with consistent user experience across devices

- **Created resilient API integration layer** handling **inconsistent server responses, JSON casing variations, and network failure recovery** with comprehensive error handling

- **Designed modular architecture** with **centralized configuration management, device verification, and SharedPreferences persistence** for enterprise scalability

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CORE COMPETENCIES

Technical Skills

- **Software Development Lifecycle (SDLC)** - Requirements analysis, design, development, testing, implementation

- **Enterprise Application Development** - Java-based systems, Flutter cross-platform solutions, database integration, API development

- **Cross-Platform Mobile Development** - Flutter/Dart for Android, iOS, Desktop, and Web deployment

- **Web Application Development** - Full-stack development with React, Next.js, and modern frameworks

- **Database Design & Optimization** - SQL Server, MySQL, PostgreSQL with complex relationship modeling

- **System Integration** - REST API development, third-party integrations, real-time data synchronization

- **State Management** - Provider, Zustand, and enterprise-grade application state handling

Professional Attributes

- **Strong Analytical Skills** - Problem-solving and system optimization

- **Project Team Collaboration** - Agile development methodologies

- **Client Communication** - Technical support and requirement gathering

- **Documentation Excellence** - Comprehensive technical documentation

- **Continuous Learning** - Currently pursuing AI specialization

- **Meeting Deadlines** - Proven track record of on-time project delivery

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ACHIEVEMENTS & CERTIFICATIONS

- **3+ Years Enterprise Application Development Experience** with **Upper Second Class Honours** in Computing

- **Successfully delivered 25+ enterprise software projects** including multi-restaurant management platform and cross-platform POS systems

- **Achieved 20% performance improvement** in client systems through optimization

- **Maintained 99.5% system uptime** across all deployed applications

- **Currently pursuing advanced AI specialization** to enhance analytical capabilities

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ADDITIONAL INFORMATION

- **Available for onsite technical support** and client consultation
- **Experience with regulatory compliance** in financial software development
- **Strong background in ETL concepts** and data processing
- **Multilingual capabilities** - English, Bahasa Malaysia
- **Cross-platform expertise** - Flutter, Android, iOS, Desktop (Windows/Linux/macOS), Web deployment