

AHSIN IRSHAD

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PROFESSIONAL SUMMARY

Senior Software Engineer and Technology Leader with **8+ years of experience** across **enterprise software architecture, cross-platform mobile development, AI automation**, and **full-stack solutions**. Expert in **Flutter, FastAPI/Python, Vue.js, Laravel**, and modern DevOps practices, with a record of leading cross-functional teams and delivering production systems in CRM, FinTech, logistics, payments, and business automation. Combines architecture-first problem solving with hands-on implementation, CI/CD, security, production reliability, and full-lifecycle ownership from discovery through post-launch support.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

HEICO Befestigungstechnik GmbH | Remote, Pakistan - Aug 2025 – Present

- **Enterprise CRM Architecture:** Architect modular CRM capabilities connecting operational workflows across Pakistan and Germany, with an emphasis on scalability, maintainability, and long-term ownership.
- **Backend Engineering:** Develop secure, validated REST APIs using **FastAPI** and Python with clean architectural boundaries and optimized response handling.
- **Frontend & Data:** Build responsive **Vue.js** interfaces and design database indexing, storage, and retrieval for reliable enterprise-scale performance.
- **DevOps & Deployment:** Containerize services with **Docker** and orchestrate repeatable CI/CD deployments through Portainer across development, staging, and production.
- **International Collaboration:** Translate business requirements into technical delivery plans while aligning teams and stakeholders in Pakistan and Germany.

Senior Mobile App Developer – Team Lead

Global Financial Media (Mubasher group) | Rawalpindi, Pakistan - Feb 2024 – May 2025

- **FinTech Product Delivery:** Developed and maintained the **Mubasher.Info** Flutter application across iOS and Android, contributing to its 100,000+ Google Play download milestone.
- **Native & API Integration:** Bridged Flutter and native functionality with **Platform Channels** while integrating financial APIs and third-party services.
- **Security & Quality:** Identified a significant API-integration vulnerability and collaborated on remediation for critical financial-data workflows.
- **Technical Leadership:** Mentored junior developers, supported recruitment, and maintained stakeholder alignment through daily reporting and transparent milestone tracking.

Software Team Lead (Flutter/Laravel)

INTERPAY | Remote, Pakistan - May 2022 – May 2023

- **Team Leadership:** Led a cross-functional team of six Flutter and Laravel developers and mentored junior team members.
- **Project Management:** Worked with stakeholders to define requirements, control scope, maintain budget alignment, and provide weekly progress reports.
- **Technical Development:** Led development of **InterCityXpress**, the Courier Delivery Management System, and contributed to the separate **InterPay POS** product.
- **Process Optimization:** Applied agile practices, code reviews, and QA processes to strengthen delivery consistency and software quality.

Full-Stack Developer

Self-Employed | Faisalabad, Pakistan - Jul 2019 – Present

- **AI & Workflow Automation:** Architect production workflows using AI agents, **n8n**, custom MCP servers, webhooks, and Jenkins pipelines.
- **Cross-Platform Delivery:** Deliver Flutter and native Android/iOS applications alongside maintainable web and backend systems using Laravel, FastAPI, Node.js, Next.js, Vue.js, and WordPress.
- **Infrastructure & DevOps:** Operate VPS infrastructure, reverse proxies, load balancing, Docker services, monitoring, multi-server deployments, and automated CI/CD.
- **Lifecycle Ownership:** Lead projects from discovery and architecture through implementation, QA, release management, client communication, and post-launch support.
- **Technical Leadership:** Coordinate contributors, clarify requirements, review implementation quality, and make architecture decisions across mobile, web, backend, and automation workstreams.

Android Developer

WapExp | Faisalabad, Pakistan - Jun 2018 – Jun 2019

- **Native Android Development:** Built Java applications using Android SDK, MVC, Material Design, and reusable components across diverse devices.
- **Integrations:** Implemented REST APIs, real-time synchronization, push notifications, payment gateways, and third-party services.
- **Performance & Reliability:** Applied profiling, resource management, crash reporting, and proactive monitoring to improve launch performance, memory use, and production stability.

RECENT PROJECTS

Nailsalon.club – Private Luxury Nail Society

- **POS System Development:** Built a custom point-of-sale system for appointments, service selection, member management, and transaction workflows tailored to a private-access salon model.
- **n8n Automation Integration:** Implemented form-triggered automation that stores client data and coordinates user selection, notifications, and membership processing.

Bella Masala – Italian Restaurant ([Website](#))

- **Multi-Language Website:** Developed a responsive WordPress site with Italian and English support, modern UI/UX, and consistent behavior across devices.
- **AI-Powered Menu Management:** Created an AI-agent workflow using **n8n** and a custom **MCP server** so staff can update menu content through natural-language text or voice commands.

SafeMom – AI-Powered Ingredient Safety Checker ([Android](#)) ([iOS](#))

- **AI-Powered Mobile Application:** Developed a cross-platform Flutter app that scans cosmetic, food, and medicine labels to evaluate pregnancy-related ingredient safety.
- **OpenAI Integration:** Implemented image-based ingredient extraction and AI-assisted analysis from product photos for fast, understandable results.
- **In-App Purchase System:** Integrated purchases, subscriptions, premium access, and monetization flows across iOS and Android.

Mubasher.Info – Social Trading Platform ([Android](#)) ([iOS](#))

- **Flutter Mobile Development:** Developed user-centric Flutter functionality for a social-trading and financial-market information platform.
- **Cross-Functional Collaboration:** Partnered with designers, analysts, backend engineers, and stakeholders to deliver trading workflows while protecting performance and usability.
- **API Integration & Third-Party Services:** Integrated real-time market data, trading analytics, social features, portfolio alerts, and professional-analysis services.
- **Security & Native Integration:** Supported secure financial API integrations and native platform communication using Flutter Platform Channels.

AMIGO – All Motors Ireland Car Care Companion ([Android](#)) ([Website](#))

- **Comprehensive Vehicle Services App:** Developed a Flutter application for road assistance, spare-parts ordering, maintenance booking, and pre-purchase inspections in the Irish automotive market.
- **Advanced Booking System:** Implemented state-managed booking flows with real-time status updates, notification badges, and appointment scheduling.
- **Scalable Architecture & UI/UX:** Built a scalable architecture and clean interface supporting consistent performance across vehicle-service categories.
- **Real-Time Service Integration:** Integrated live tracking, status management, and notifications for assistance requests, parts delivery, and appointments.

Thermowrap – Workforce Location & Attendance ([Website](#))

- **Real-Time Workforce Tracking:** Developed GPS-based employee location tracking and automated attendance logging for operational visibility and workforce safety.
- **Enterprise Operations:** Delivered dashboards, alerts, notifications, secure data handling, and privacy-focused workforce management capabilities.

InterCityXpress – Logistics & Shipment Management ([Product](#))

- **Shipment Management:** Built mobile workflows for shipment history, real-time tracking, delivery-location control, customer profiles, and multi-shipment monitoring.
- **Customer Operations:** Integrated notifications, support ticketing, and WhatsApp/email assistance for a smoother logistics experience.

MealSmash – Multi-App Delivery Ecosystem ([Android](#))

- **Consumer Delivery:** Delivered food, grocery, pharmacy, and bakery ordering with nearby-vendor discovery, checkout, and real-time rider tracking.
- **Restaurant Operations:** Built coordinated Ordering and Kitchen applications for order-status management, table workflows, and staff coordination.

TheCineWizard – Entertainment Platform [\(Website\)](#) [\(Android\)](#)

- **Cross-Platform Delivery:** Developed a Flutter mobile experience and responsive website for movie and TV information, reviews, releases, and entertainment news.
- **Content & Performance:** Structured content for reviews and recommendations while improving responsive presentation, SEO, performance, and discovery across web and mobile.

EDUCATION

Bachelor of Software Engineering

University of Agriculture Faisalabad (Aug 2017 – Aug 2021)

- **Technical Foundation:** Software engineering, advanced programming, algorithms, data structures, system design, databases, artificial intelligence, web technologies, and mobile development.
- **Leadership & Collaboration:** Led group software projects using project management, agile practices, and cross-functional team coordination.

CORE SKILLS

- **Strategic Leadership:** Align technology decisions with business goals while mentoring engineers and coordinating distributed teams.
- **Project & Product Management:** Agile delivery, sprint planning, stakeholder communication, requirements clarification, and client engagement.
- **Technical Architecture:** Scalable CRM, mobile, web, backend, database, API, and AI-automation systems.
- **Development Stack:** Flutter, Dart, FastAPI/Python, Vue.js, Laravel/PHP, Node.js, Next.js, Java/Kotlin, and WordPress.
- **AI & Automation:** AI agents, n8n, MCP servers, OpenAI integrations, webhooks, workflow orchestration, and data-processing pipelines.
- **Data Platforms:** PostgreSQL, MySQL, MongoDB, Firebase, Supabase, relational modeling, indexing, and performance tuning.
- **DevOps & Infrastructure:** Docker, Jenkins, Portainer, CI/CD, VPS hosting, reverse proxies, load balancing, monitoring, and release management.
- **Delivery & Quality:** API security, code reviews, QA, performance profiling, release management, incident troubleshooting, and post-launch support.
- **Communication:** Clear client and stakeholder communication, mentoring, collaborative troubleshooting, and decision-making under pressure.

CERTIFICATIONS

Career Counselling & Entrepreneurship — Developer Student Club, UAF One-day workshop completed 6 February 2020 at the University of Agriculture Faisalabad.	<i>Feb 2020</i>
E-Commerce Management — DigiSkills Training Program Batch 03 training, Apr–Jun 2019; issued 8 July 2019; Credential ID GJFK3RQPQ.	<i>Jul 2019</i>
Android Application Development — WAPEXP Institute of Information & Technology Course completed 1 Jun–31 Dec 2018; certificate issued 7 January 2019.	<i>Jan 2019</i>
Workshop on Cyber Security — IEEE-UAF Student Branch Certificate of participation dated 9 October 2018, University of Agriculture Faisalabad.	<i>Oct 2018</i>
Workshop on Android App Development — The Rang Club UAF Certificate of appreciation dated 7 October 2017, Department of Computer Science, UAF.	<i>Oct 2017</i>
Microsoft Office, InPage, Typing, Windows & Software Installation — Space College of Computer Sciences Kamalia Three-month course, 9 Apr–10 Jul 2015; certificate dated 12 July 2015; Serial No. 2221.	<i>Jul 2015</i>