

Arsalan Kabeer

Senior Software Engineer / Systems Architect

📍 Dubai, UAE | Work Authorization: UAE Employment Visa (Sponsor: Tektronix)

📞 Phone: +971-547-280-656 ✉ Email: me@kabeersarsalan.com

🌐 LinkedIn: <https://www.linkedin.com/in/arsalan-kabeer-435972105/>

🐙 Github: <https://github.com/arslankabir/> (40+ open source projects repositories)

📁 Portfolio: <https://kabeersarsalan.com>



SUMMARY

Business-focused technologist and React/Python Full-Stack Engineer with 6+ years of experience consolidating fragmented tech stacks into unified, revenue-generating platforms. Proven track record of eliminating redundant costs, delivering production-grade AI/ML and full-stack applications, and enabling enterprises to scale without external hires. Adept at bridging infrastructure, automation, AI, and full-stack delivery to transform technology from a cost center into a profit engine.

*"I built my career as a solo developer and consultant as a software graduate → proved I could deliver enterprise-grade impact → was hired as **ABI's** first technical hire to scale that value across a 9+ company portfolio → this track record secured my engagement with **Dubai Financial Market (DFM)**, a prestigious finance industry leader, where I now **architect secure, high-performance financial products** based on my reputation for technical precision and delivery, meanwhile am also building **Snaply AI**, a visual intelligence platform to solve UAE retail challenges with 85% lower AI costs."*

Core Competencies: Enterprise Fintech Architecture • API Governance • Zero-Trust Security • AI/ML Integration • Cost Optimization • UAE Regulatory Compliance

KEY ACHIEVEMENTS

Enterprise Architecture & Security:

- **Dubai Financial Market (DFM):** Architected secure Backend-for-Frontend (BFF) infrastructure for their internal portals; reduced Time-to-Interactive by 70% (1.8s to 540ms) and achieved zero critical vulnerabilities in initial security audits.
- **Project Liberte (ABI):** Sole architect for AI-powered multi-tenant loyalty platform; delivered end-to-end from Figma design to backend foundation, enabling real-time point synchronization across investor dashboards.

Cost Optimization & Infrastructure:

- **Hosting Consolidation:** Migrated 10+ fragmented websites/CRMs to optimized DigitalOcean infrastructure → 61% cost reduction (8,445 AED/year saved) while improving uptime.
- **Performance Engineering:** Slashed average page load times 3.2s → 0.9s via Redis caching & NGINX optimization → drove 52% growth in organic traffic for UAE commercial keywords.

AI/ML Innovation:

- **Snaply AI:** Built hybrid on-device/cloud visual intelligence platform → 85% lower processing costs (0.0026 vs 0.018 AED/call) with 92% accuracy on test objects.
- **Automation:** Engineered Python middleware for data sync (Salesforce ↔ Oracle) → 92% reduction in manual entry and report generation time cut from 4.5 hours → 12 minutes.

Business Impact & Scale:

- **Enterprise Delivery:** Built 8+ production-grade applications (ERP, CRM, E-commerce) handling 20k+ monthly transactions, often as sole technical lead.
- **Database Optimization:** Reduced API latency for transaction processing 1,200ms → 700ms via query optimization and indexing strategies.

PROFESSIONAL EXPERIENCE

SENIOR SYSTEMS ARCHITECT | Dubai Financial Market - DFM (via Tektronix)

Dec 2025 – Present | Dubai, UAE

Currently architecting secure fintech infrastructure for DFM internal platforms.

▶ ENTERPRISE FINTECH ARCHITECTURE

- Designed Backend-for-Frontend (BFF) proxy layer bridging public clients with legacy Dynamics 365/microservices; implemented server-side secret management to enforce strict credential segregation for regulated financial workflows.
- Led migration to Server-Side Rendering (SSR) with parallelized data orchestration, eliminating client-side waterfall fetching patterns for complex institutional onboarding flows.

▶ API GOVERNANCE & COMPLIANCE

- Established contract-first development standards using Swagger/OpenAPI specs; enforced DTO validation guardrails to ensure data integrity for multilingual (Arabic/English) investor registries and FATCA/NIN compliance fields.
- Built mock-server ecosystem mirroring production schemas, enabling parallel frontend/backend development cycles and pre-emptive QA validation of edge-case scenarios.
- ▶ **SECURITY & DEVOPS INTEGRATION**
- Collaborated with DevOps to implement Zero-Trust network policies: configured Azure APIM Gateway ingress rules, HttpOnly cookie token tunneling, and distributed tracing (x-request-id) for audit-compliant request flows.
- Engineered deferred transactional state pattern to decouple UI interactions from database commits, preventing race conditions in multi-step financial workflows.
- ▶ **TECHNICAL LEADERSHIP**
- Authored technical specifications aligning frontend/backend teams on API contracts, reducing integration rework and establishing reusable patterns for future DFM digital initiatives.

SENIOR SOFTWARE ENGINEER / SYSTEMS ARCHITECT | ABI Investments Group

Feb 2022 – Nov 2025 | Abu Dhabi, UAE

Sole technical lead for 9+ UAE portfolio companies (Elite Aviation, Premium Brands, ABI Military & others at abiigroup.com)

▶ **PROJECT LIBERTE — FLAGSHIP AI-POWERED LOYALTY PLATFORM**

(As first and primary engineer, owned end-to-end delivery from concept to deployment)

- Built hybrid backend: Django (AI/ML) + Laravel (loyalty logic), containerized via Docker on DigitalOcean.
- Architected & prototyped ABI's first multi-tenant loyalty platform delivering Figma UI/UX, marketing site, investor dashboards, and core backend as sole engineer to secure stakeholder buy-in.
- Developed AI recommendation engine (LangChain + RAG) over custom knowledge base, with social sharing and gamified engagement features - validated in user surveys with 38% higher engagement.
- Implemented technical foundation for real-time point sync and Telr payment integration (staging).
- Engineered Grafana + Prometheus observability stack for Liberte & portfolio CRMs → 70% faster incident response.
- Led technical direction for 3-4 specialized contractors (QA, design) across 5 concurrent portfolio projects — accelerated delivery by 35% while maintaining 99.98% data accuracy and reducing external vendor dependency by \$12,500/year.
- Orchestrated cross-functional delivery with mobile teams and stakeholders through structured agile workflows — shipped 8 production systems 2 weeks ahead of schedule with 40% fewer critical bugs (measured via Jira/Postman reports)
- ▶ **ENTERPRISE INFRASTRUCTURE & SYSTEMS ARCHITECTURE**
- Designed and deployed scalable, multi-tenant architectures for 10+ UAE portfolio companies implementing containerized services, shared JWT auth, and GitHub Actions CI/CD for independent brand deployments.
- Consolidated 10+ web apps onto optimized DigitalOcean droplets → 61% savings with 99.9% uptime.
- Hardened security with firewall rules, SSH hardening, fail2ban aligned with UAE data protection standards.
- Built and Optimized 10+ production websites and CRMs for portfolio companies using modern frameworks.
- Accelerated page load 3.2s → 0.9s via Redis, NGINX, image compression → 52% organic traffic growth.
- Designed systems with horizontal scalability in mind using stateless containers, Redis caching, and modular microservices to support future growth.
- Streamlined Docker containerization for efficient resource allocation and zero-downtime deployments.

▶ **BUSINESS AUTOMATION & GROWTH**

- Built Python middleware to sync Salesforce ↔ Oracle E-Business Suite → cut report time 4.5h → 12m (99.98% accuracy).
- Automated web scraping (Selenium) and Excel workflows (Pandas) → 120+ hours/month saved in manual ops.
- Managed Google Ads campaigns → 22% lower cost-per-lead vs prior agency (verified via Google Ads).
- Re-platformed enterprise sites with SEO + CRM integration → 30% more organic traffic, 15h/week ops saved.
- Configured Google Workspace, DNS, and email routing across Cloudflare, GoDaddy, DigitalOcean for 10+ companies.

SELF-EMPLOYED SOFTWARE CONSULTANT

2019 – 2022 | Remote | Served 50+ international clients across 15+ countries.

- Delivered full-stack web applications (e-commerce, CRM, business dashboards) using React, Django, Node.js, and Python typically as the sole developer handling requirements, architecture, and deployment.
- Specialized in rapid MVP development and infrastructure-light solutions for startups and SMEs.
- Maintained 98% client satisfaction through reliable delivery and clear communication.

FULL-STACK ENGINEER (Solo) | Stecnova Shared Services

May 2019 – Apr 2020 | Islamabad, Pakistan

- Developed FullJamApp, an end-to-end social media platform for musical artists delivered solo from UI to backend.
- Automated document processing pipeline, reaching 80% accuracy on unstructured datasets.
- Built real-time chat and location features using WebSockets (Django Channels) and Google Maps API

PROJECTS

Enterprise Fintech Portals: Major UAE Financial Institution (via Tektronix)

- Architected secure Backend-for-Frontend (BFF) layer handling institutional investor onboarding workflows.
- Implemented Zero-Trust security patterns (Azure Key Vault, APIM Gateway) to protect sensitive financial data.
- Engineered server-side orchestration to reduce latency by 70% for complex multi-step applications.

Tech: Next.js, Node.js, Docker, Azure APIM, Swagger/OpenAPI, Dynamics 365 Integration

Snaply AI — Visual Intelligence Platform | Founder & Lead Architect

- Building hybrid on-device/cloud AI solution for UAE retail support challenges.
- Achieved 85% lower processing costs (0.0026 vs 0.018 AED/call) via constrained AI patterns.
- Validated <1s response time using TensorFlow Lite vs 3-5s industry standard cloud solutions.
- Tech: Flutter, TensorFlow Lite, Supabase Edge Functions, Gemini API

ElizaOS — Extensible AI Agent Framework | Open Source Contributor

- Contributed modular architecture enabling multi-platform AI agent deployments.
- Project gained 550+ GitHub stars; used by community for autonomous agent orchestration.
- Tech: Python, LangChain, OpenAI API, Custom Agent Orchestration ([550+ GitHub stars](#))

PromptPilot: AI marketing dashboard saving 15h/week ([Github](#))

Other projects available on my [GitHub](#)

TECHNICAL SKILLS

Core Value: Tech Consolidation · Cost Reduction · Revenue Engineering · Enterprise Fintech Architecture

Languages & Frameworks: Python, TypeScript, React, Next.js (App Router/RSC), Django, FastAPI, Node.js, NestJS

AI/ML: TensorFlow Lite, LangChain, RAG, LLM fine-tuning (DeepSeek, Llama 3 via Ollama), Gemini/OpenAI APIs, Constrained AI Patterns

Cloud & DevOps: Docker, GitHub Actions CI/CD, DigitalOcean, Azure (APIM, Key Vault – hands-on), AWS (EC2, S3, IAM), Nginx, Redis

Databases: PostgreSQL, MySQL, MongoDB, Query Optimization, Indexing Strategies

API & Integration: REST/OpenAPI Governance, Swagger, DTO Validation, Backend-for-Frontend (BFF), Microservices Orchestration

Security & Compliance: Zero-Trust Architecture, OAuth2.0, JWT Rotation, HttpOnly Cookies, OWASP Top 10, UAE Data Protection Standards, Audit Logging, FATCA/NIN Compliance Patterns

Real-Time Systems: WebSockets, Django Channels, Celery, Deferred Transactional State Patterns

Performance Engineering: Server-Side Rendering (SSR), Parallel Data Fetching, Core Web Vitals Optimization, Memory-Efficient Architectures (C++ background)

UAE-Relevant: Arabic-English Bilingual Systems, UAE Payment Gateways (Telr, PayFort, Stripe), Financial Regulatory Workflows

Tools: Figma, Jira, Git, Postman, Azure DevOps, Swagger Editor

EDUCATION

B.Sc. Software Engineering

COMSATS University Islamabad | 2015 – 2019

- **CGPA:** 3.0/4.0 | Attested: UAE Consulate, MOFA, HEC, PEC
- **Relevant Coursework:** AI, Machine Learning, NLP, Cybersecurity, Blockchain

Certifications

Azure Cloud (In Progress)

- Microsoft AZ-900: Azure Fundamentals — *Exam scheduled: April 2026*
- Microsoft AZ-204: Developing Solutions for Microsoft Azure — Coursework ongoing (20%)
- Focus areas: App Service, Key Vault, APIM, Zero-Trust deployment patterns

Technical Training (Completed)

- freeCodeCamp: Responsive Web Design & JavaScript Algorithms (95% complete)
- Django for Everybody (University of Michigan) — REST APIs, authentication, deployment
- React Documentation & Advanced Patterns — Self-directed study with portfolio projects

Planned Credentials

- AWS Certified Developer – Associate (Target: Q3 2026) — Study plan in progress
- TensorFlow Developer Certificate (Target: Post-Snaply AI launch)