

Ahmed Ikrami

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SUMMARY

Software Engineer & Engineering Lead with expertise in designing highly concurrent back-end systems, building scalable cross-platform apps, and creating applications that integrate AI capabilities. Experienced in designing cloud-based architectures, creating full-stack solutions (dashboards, APIs, mobile apps), and managing engineering teams throughout the entire SDLC process to ensure delivery of production-level software.

TECHNICAL SKILLS

Languages

JavaScript, TypeScript, C++, Swift, Kotlin, Python

Backend

Node.js, Express.js, REST APIs

System Design Concepts

Scalability, API Design, Modular Architecture, Event-driven Systems (applied)

UI/UX

Figma, Dashboard Systems, Product UI Architecture

Mobile

React Native, Expo, SwiftUI, Flutter

Cloud & Infrastructure

AWS, Firebase, Appwrite

AI

Prompt Engineering, OpenAI APIs, Small Language Model (SLM) Training

Tools

Git, GitHub

EXPERIENCE

Emtiaz (System Rebuild & Architecture Upgrade)

Present

Engineering Team Leader

Re-engineered an iOS education product into a scalable cross-platform system.

- Designed multi-region content architecture (logical data segmentation)
- Built system allowing dynamic content switching without downtime
- Created teacher/admin dashboard system with structured data flow
- Separated system into modular components (content, users, analytics)
- Integrated AI-based analytics layer for data insights
- Designed full backend interaction model for scalability

Tech: React Native, Appwrite, OpenAI APIs

Civic City Management System (Distributed Workflow Design)

Present

Full-Stack Engineer

Built a system for managing city-level operations and user workflows.

- Designed event-driven workflow system for issue reporting
- Implemented QR-based access control system
- Built notification system for status updates
- Designed structured data flow for reporting → processing → resolution
- Integrated cloud backend using AWS/Appwrite

Majestic Flux (Large-Scale Community System - 30K+ Users)

2023 – 2025

Lead Full-Stack Engineer

Designed and maintained backend architecture for a high-traffic platform serving 30,000+ users.

- Built and deployed backend infrastructure on AWS
- Designed modular system architecture (auth, moderation, economy, user systems)
- Implemented role-based access control and user permission system
- Developed AI-assisted moderation pipeline for scalable content filtering
- Designed backend APIs for client-server communication at scale
- Ensured system reliability under continuous high concurrency load

- Led the engineering team, enforced strict code quality, and resolved architectural bottlenecks to support 30,000+ active users

WithStudy - iOS (1st Place Winner – Kuwait Codes)

07/2022 – 09/2022

iOS Developer

Initial version of education platform built under competition constraints.

- Developed using Swift, SwiftUI, Firebase architecture
- Designed authentication, database, and storage structure
- Delivered production-ready application under strict timeline
- Awarded 1st place for implementation and design

APPLIED SYSTEM DESIGN & AI

Software Architecture & Large-Scale Systems

Udemy

- Studied scalable system design patterns and distributed architectures
- Applied trade-offs between performance, scalability, and cost
- Designed backend structures inspired by production systems

AI / LLM Training

Google AI Labs

- Trained Small Language Models (SLMs) using structured datasets
- Studied inference pipelines and prompt engineering workflows
- Analyzed scaling path from SLM → LLM systems (data, compute, infrastructure)
- Applied AI integration into real-world applications

EDUCATION

Bachelor of Computer Engineering

Expected 2029

LANGUAGES

Arabic

Native

English

Professional