



# Jehandad Kamal

LLM/AI ENGINEER

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## Profile

Full stack system engineer with experience in cloud architecture, android, prompt engineering and scalable backends with more than 14 years of Experience in Software Industry. Some relevant highlights could be:

- Language/Platform Agnostic as I have worked professionally in Frontend, Backend, Infrastructure and Mobile
- Developed a company wide access portal to LLMs using **NextJS, NestJS, React, PostgreSQL, GCP, k8s**, docker.
- Evaluated LLM Ops providers and capabilities and comparison across a wide variety of applications. Created KPIs and contributed to Prompt Evaluation techniques and synthetic data creation using **Python, DSPy** and **RAGAS**.
- Enabled Secure LLM Access to whole company through deployment of proxy, containing quota and budgets using **JWT Auth**
- Contributor to Open Source Java OpenAPI Parser and Rajawali 3d Android Library.
- Have a broad perspective as I have worked solo, startups and corporate environments as a CTO, Team Lead and architect
- System Engineering as a subject, short time spent in Wavetec and personal interests contributed to my hardware insights as well. Owner of RTX3090 and FlipperZero, dabbled in mining and running models/LLMs locally
- I have studied data science and penetration testing and continue to diversify my skill set. Books from Robert Sedgwick and Joshua Bloch shaped my early programming love and technical growth.

## Employment History

### LLM/AI Engineer, Mercari, Tokyo

November 2023 — Present

After the ChatGPT Moment, we created a new small focused team to onboard the whole company to these emerging technologies and its adoption. Naturally, my diverse experience was a great match.

We were able to develop and give access to the whole company to LLMs (NextJS, React, NestJS), participated in fine tuning LLMs for entity extraction (wandb, weave), contributed development of highly successful feature for generating title/desc using images (OpenAI, goLang, python), and developing mechanisms and KPIs to evaluate LLM Output using Comet, Weave, VertexAI. Also developed a feature on iOS called Mercari copilot and buyer assist (iOS).

Interacted with teams from langgraph, langfuse, comet, wandb and google. And evaluated 10s of tools related to this emerging fields. Created a tiered plan for maturity of developing LLM Apps and deployment/management of Company wide LLM Proxy (GCP, Kubernetes, Docker, Datadog).

### Mobile Engineer, Mercari, Tokyo

February 2023 — November 2023

Assisted in Migration to Jetpack compose. Mercari was the the first app in Japan to do 100% migration to Jetpack!

Also acted as a Team lead for several feature deliveries. And PIC for cross team colabs.

### **Backend Engineer, Mercari, Tokyo**

January 2021 — December 2022

Joined Mercari when they were transitioning from monolith to microservices and from sakura cloud to GCP. Incredible time to join, this was my first experience of google cloud and working with big teams on backend and infrastructure. But joining during migration period I was able to contribute to standards and intimately undersand the abstractions that were created for whole of mercari.

I was able to develop from scratch several microservices and features. Most important perhaps would making Home screen on Mobile customizable, this was great utilization of my skills since it leverage my knowledge of Mobile, Backend and ML. The MS was powered by components that were recommend by Multi-armed bandit.

Company wide I contributed to golang error handling standards and SLOs. Also organized a company wide event for performance troubleshooting and acted as team lead for Home MS team.

### **Mobile Architect, Rakuten, Tokyo**

July 2020 — December 2021

Researching gaps and inefficiencies caused in interdepartmental feature development and friction. Improved testing, code quality metrics through training and automation of tools in CI. Essentially built a new CI system for mobile teams to leverage UI Testing using Rakuten;s bare metal servers.

Achievements: Mainframer (local build times increased by 3 times ), whole pipeline for code generation for API SDKs

### **Android Engineer, Rakuten, Tokyo**

November 2016 — June 2019

Part of the most prestigious teams at Rakuten working directly on the Android Ichiba app. The team was self- motivated, critical of user feedback and our app's performance. We continually improved following agile methodologies while supporting current services for users and other departments.

My major achievement was to deliver a complete plan to point out the comprehensive list of problems in the Android app, their priority, and solutions. I drove this effort almost single-handedly and pointed out the gaps in testing and process of feature development cycle. Including QA Team as well. My plans were adopted by a whole team as well as considered by QA Team to upswing to their testing process.

Along with quite a few feature releases. I was able to start migration to new architecture and Kotlin and contributed to UI/E2E Testing as well. Advocated stronger testing practices across the whole team

Features: N Tier Category, Animated Delivery UI ...

### **Android Dev, Sagedom, Remote**

June 2016 — November 2016

Built the app TenisPAL from Scratch using best practices MVP and Robotium based E2E Tests.

### **CTO, Erly Stage Studios , Karachi**

December 2013 — August 2015

Part of ESS from the very start, from buying the space, to starting operations, managing interviews and hiring the founding team. Most interesting times, from establishing the company as FZ-LLC in Dubai, to pitching to investors at Tech Crunch and UK. Raised 50K GBP in preseed from Investors in UK and Pakistan.

Planned product strategy for the team. Projecting technology requirements in terms of cost and talent. Recruiting the technical team and managing their growth and responsibilities. Deeply involved in architecting all solutions required by the team.

I was also working as a full stack engineer here, and gained significant experience for AWS, Nodejs and AngularJS.

Our first product here was [Pollywords](#). Also lead the team for delivering and maintaining services for a few clients like CAPCO and Nido.

### **Mobile Team Lead, Royal Cyber, Karachi**

November 2015 — October 2016

Royal Cyber has been leading in enterprise modernization and taking theerp & ecommerce to mobile relying mostly on IBM offerings. The challenges here were delivering AR, VR and secure payment solutions integrated with somewhat legacy systems. Leading a team of more than 9 people, my core responsibilities here were to guide the team through technical challenges in delivering quality eCommerce apps with augmented reality. I worked on improving the quality processes, initializing knowledge sharing sessions, research and training to step ahead of current feature availability on mobile side.

### **Lead Engineer, Axact**

January 2013 — December 2013

At Axact I was working with several clients on Android apps. It was delivery focused environment in which we contributed to multiple projects.

Was able to improve working under stress and with even larger teams. I was able to improve my teams automated testing capabilities under my team here. Introduced E2E, UI, Robotium and monkey testing here. Used it to increase product/app quality at high velocity

### **Software Engineer, Tenpearls**

March 2012 — December 2012

Worked on Nexercise Android app which was later branded to Swortkit Health. This is my first experience with working on a team but I was able to leverage my Technical capabilities since I was already working as a freelancer.

Working with team and senior devs I was able to learn a lot about project management, agile methodologies and was introduced to unit testing and code quality.

### **System Engineer, Wavetec**

January 2012 — February 2016

Researched and developed [Lission Art Gallery](#) in a challenging timeline. Developing this project was awesome experience and boosted my Teamwork and hardware knowledge and skillset. My tenure here was short but significant since it opened doors for hardware integration and software on small systems like raspberry pi and android boards.

### **Freelance Java Programmer / Mobile App Developer, Android**

December 2011 — November 2013

Working on Small to Medium Projects and technologies related to Java. Main focus on Android apps. Completed 30 projects with highly rated reviews. See my [profile](#).

## **Education**

## **Bachelor of Engineering (B.E.), Systems Engineering, NED University of Engineering and Technology, Karachi**

January 2008 — December 2011

During this time I also participated in HPCC ( High performance computing center ) for research on distributed systems as well.

## **MS(CS), Institute of Business Administration, Karachi**

July 2013 — Present

NLP, Game AI for Starcraft and Evolutionary Algorithms (Ongoing)

## **Links**

[Github](#) [LinkedIn](#)

## **Skills**

Node.js

React

JavaScript

Java

Python

Golang

Android

Kotlin

Terraform

Kubernetes

Docker