Jehandad Kamal

LLM/AI ENGINEER

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Key Highlights

System engineer with expertise in cloud architecture, android and prompt engineering with more than 14 years of Experience in Software. **Want to part of a team contributing to LLM/Agent Strategy with impact across the company and society in this new AI Era**. Some highlights:

- 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

Employment History

Technical Lead (Backend, Mobile, LLM), Mercari, Tokyo

January 2019 — Present

- After the ChatGPT Moment, we created a new small focused team to onboard the whole company to these emerging technologies and its adoption.
- We were able to develop and give access to the whole company to LLM (**NextJS, React, NestJS)**, participated in fine tuning LLMs for entity extraction (**wandb**, weave, **pytorch**), 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).
- Worked on a DevAssist bot using RAG built on **alloyDB**, **OpenAI** and **Langchain**.
- Interacted with teams from **langgraph**, **langfuse**, comet, **wandb** and **vertex**. 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**, **k8s**, **Docker**, **Datadog**).
- Assisted in Migration of **Android** to **Jetpack compose**. Mercari was 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 collaborations.

- Joined mercari when they were transitioning from monolith to microservices and from sakura cloud to **GCP** and **Terraform**. Incredible time to join, this was my first experience of google cloud and working with big teams on backend and infrastructure. But joining during the migration period I was able to contribute to standards and intimately understand the abstractions that were created for the whole of mercari.
- I was able to develop from scratch several microservices and features. Most important perhaps would be making Home screen on Mobile customizable, this was great utilization of my skills since it leverages my knowledge of Mobile, Backend and ML. The MS was powered by components that were recommended by the **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.

Mobile Architect , Rakuten, Tokyo
November 2016 — December 2018
- Researched 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/CD system for mobile teams to leverage UI Testing using Rakuten;s bare metal servers.
- Achievements: Mainframer (local build times increased by 3 times), pipeline for code generation for API SDKs
- 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
- Achievements: N Tier Category, Animated Delivery UI

CTO, Erly Stage Studios , Karachi, Pakistan
January 2013 — November 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. We were able to raise 50K USD in investments.
- 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.

Education

BE(Systems Engineering), NED University of Engineering and Technology, Pakistan
January 2008 — December 2011

Note

This is a shorter version which highlish most important areas please see complete CV for more details.