

# Sannan Yousuf

A software engineer with excellent workload management, communication and team working skills and a diverse and ever expanding skill set. Always been a quick learner and keen to learn new things.

 sannanyousuf@gmail.com

 +923244599375

 sannan-yousuf

 Sannan-Dubizzle

## WORK EXPERIENCE

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### Pentaloop

Associate Software Engineer

June 2023 - September 2023

- Mainly worked as a cross-platform application developer with **Dart** and **Flutter**.
- Created complete UI for a video streaming application from scratch
- Integrated VLC media player for video streaming.
- Integrated in-app and system notifications.

### Dubizzle Labs

Software Engineer

September 2023 - Present

- Major role as a Backend developer majorly working with **RoR**, **Django** and **Java RestEasy**.
- Active role in building and deployment of [bayut.sa](#) as a new product.
- Implemented checkout functionality for bayut.sa with complete flow from cart creation to credits assignment.
- Implemented **Oviproxy** a micro service which acted as a proxy for [bayut.sa](#) and [zameen.com.pk](#) to fetch the leads generated against the property ads. It was deployed as **AWS Lambda** and was developed using **Gin** framework of **GOLANG**.
- Integrated **VISA**, **Mastercard**, **TAMARA**, **APPLE-PAY** and **TABBY** as payment gateways enabling daily payments.
- Developed various other features end-to-end from backend perspective for [bayut.sa](#) and [zameen.com.pk](#) such **Bayut Workshop**, an event management interface responsible for managing educational events happening at Bayut KSA's head office.
- Integrated OpenAI with [bayut.sa](#) to auto-generate title and description of a property ad from information fetched from REGA significantly improving user experience and hence multiplying conversion rate.
- Acted as one of the core backend developers currently working on **Torpedo Seller Center** which is an e-commerce platform for [olx.com.pk](#) and [uae.dubizzle.com](#) which allows a seller to have a complete online store experience including posting a product, on-platform payments and goods delivery.
- Developed various APIs for olx.com.pk in order to support functionalities of torpedo seller centre.
- Integrated **Keycloak** as the authentication provider, enabling **SSO** and secure access management for multiple applications.
- Extended **Keycloak**'s functionality by developing custom **SPIs**, **authenticators**, and **event listeners** to meet project-specific authentication and authorization needs.
- Configured **OAuth 2.0**, **OpenID Connect (OIDC)** for secure API and user authentication.
- Implemented **multi-factor authentication (MFA)** and **fine-grained access control** using Keycloak's policy engine.
- Migrated all the users and their ads who have posted any real estate listings from [dubizzle.com.om](#) to [bayut.om](#) while maintaining their credentials and info using raw SQL queries giving the platform a head start.
- Experimented and integrated with different LLMs for title and description generation for property listings.
- As a backend developer I was actively interacting with database with raw queries and **ORM**. Planned, designed and implemented **SQL** databases for various features.
- Implemented a chat-bot to allow users to post a listing from **Whatsapp** handling complete flow from creating a listing, auto-filling the data, generating title and description, moderating and the payment for the listing.

## **Projects / Portfolio**

### **Zameen.com**

The largest online property selling platform in Pakistan, with the challenges of a very large system including online purchases and payments.

### **Bayut**

The Gulf counter-part of zameen.pk with its own challenges, catering requirements of new markets.

### **Olx.com.pk**

The single largest classifieds platform in Pakistan for all purpose ads. Built using Python Django framework.

### **OviProxy**

A support project developed in Go-lang to keep track of stats and leads generated on the ads posted on Zameen and Bayut.

### **Ingress**

A support project implemented in python, catering AI related needs of Zameen and Bayut.

### **ChatME**

A chat-bot implemented using JavaScript and GupShup to allow customers to post an ad using WhatsApp on Bayut.

### **Keycloak-SPI**

An extension of keycloak to cater special needs of Bayut, Zameen and OLX developed using JAVA.

### **Torpedo Seller Center**

An E-commerce platform to provide sellers a complete online store experience on [olx.com.pk](http://olx.com.pk) and [uae.dubizzle.com](http://uae.dubizzle.com) currently in its last stages of development.

## **SKILLS**

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### **Tech Stacks**

Ruby on Rails, Python Django, GoLang, JAVA RESTEasy, Dart, Flutter, Kotlin, JavaScript, MySQL, PostgreSQL

### **Others**

Git, Docker, ArgoCD, Github Actions, LLM, Prompt Engineering, Terraform, AWS, CORS, OAuth 2.0, OpenID, ElasticSearch, Algolia, Celery, RabbitMq, NewRelic

### **Soft Skills**

Communication, Pressure handling, Leadership, Dedication, Honesty

## **EDUCATION**

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### **FAST NUCES, Lahore**

BS Computer Science

August 2019 - June 2023