

# Sk. Yeasin Kabir Joy

Backend Software Engineer

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## Professional Summary

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Backend Software Engineer specializing in Python and Django with extensive experience building secure APIs and scalable backend architectures. Additionally experienced in on-device LLM integration, using GGUF and quantization to deliver efficient, privacy-focused solutions.

## Technical Skills

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**Languages:** Python, SQL, JavaScript, Dart

**Frameworks:** Django, Django REST Framework, Flutter, Celery, Channels, HTMX

**Tools:** Docker, GGUF, llama-cpp-python, Postman, Selenium, Playwright

**Specialties:** REST APIs, **On-Device AI**, Model Quantization, LoRA Fine-tuning

**Certification:** SAPT (MIST Certified)

## Professional Experience

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### Python Software Engineer I

May 2025 – Present

Riseup Asia LLC.

Remote

- Implemented private, **on-device** LLMs across multiple apps to ensure data security and eliminate server costs.
- Conducted R&D on on-device LLM integration for mobile applications to optimize local AI features.
- Fine-tuned models using **LoRA** and performed GGUF quantization and testing with **llama-cpp-python**.

### Software Engineer

December 2024 – April 2025

Altersense Ltd.

- Engineered RPA solutions using **Python, Django, and Selenium** to automate garment industry commercial workflows.
- Optimized automation scripts to improve total task completion rates by **30%**.

### Software Engineer

April 2023 – March 2024

Eutropia IT

- Built secure, authenticated APIs for high-scale web scraping using **DRF and BeautifulSoup**.
- Optimized structured data extraction pipelines, improving reliability and maintainability for enterprise clients.

## Projects

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### Meeting Transcript Unlimited (Android)

Link

- Developed a **Flutter** application featuring **on-device transcription** via Whisper for long-form recordings.
- Engineered an **offline-first architecture** with a custom internal calendar system for private, secure record management.

### Real-time Chat Application

Link

- Built a backend messaging suite using **Django, Channels and WebSockets** featuring group chats and real-time status tracking.
- Implemented a **dynamic chat list** with real-time window shuffling to prioritize recent conversations without page reloads.

### Resume Analyzer

Link

- Built an LLM-powered tool with **Django and llama-cpp-python** for automated skill extraction and experience analysis.
- Implemented optimized local inference to evaluate resumes against role-specific requirements in real-time.

## Education

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### BSc in Computer Science and Engineering

2018 – 2022

University of Asia Pacific

CGPA: 3.95/4.00 (VC Gold Medalist)

### Higher Secondary Certificate (HSC)

2017

Engineering University School and College

GPA: 5.00/5.00

### Secondary School Certificate (SSC)

2015

St. Gregory's High School

GPA: 5.00/5.00

## Achievements

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VC Gold Medalist | Bronze Medal, IBCOL 2022