

# Md Abu Shaif Jisan

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## Summary

Software Engineer with 2 years of industry experience and 3 years contributing to open source projects, focusing on web crawling, data engineering, ETL pipelines, and building scalable backend systems. Experienced with cloud platforms and containerization.

## Skills

**Languages:** Python, Bash, SQL, YAML

**Tools:** Requests, urllib, Selenium, BeautifulSoup, Scrapy, GitHub, Jenkins, Docker, Kubernetes, MTProto, Tesseract, Nginx

**Frameworks:** Flask, Django, FastAPI

**Platforms:** Linux, Windows, Mac, AWS, Azure, Scaleway, DigitalOcean, OVHcloud, Heroku

**Data:** PostgreSQL, MongoDB, ETL, Solr

## Experience

### Software Engineer

Bengaluru Apr 2024 – Present

*Primenumbers Technologies Private Limited*

- Automated marketing data pipelines, integration of Apollo with CRM, **increasing customer acquisition by 83%**.
- Migrated multiple infrastructures and databases to Azure and OVH-Cloud, **improving performance and stability**.
- Debugged and optimized result data processing pipeline, reducing processing time **from 2 hours to under 20 minutes**.
- Designed proxy rotation and CAPTCHA solutions, **ensuring uninterrupted large-scale crawls**.
- Owned backend services and ETL pipelines of a core product, **focusing on data accuracy, consistency, and usability**.
- Reduced Azure DB outbound bandwidth from **250 GB to 20 GB daily** by identifying redundant reads from **Kubernetes**, lowering data transfer by **90%** and saving on cloud expenses.

### Software Engineering Intern

Remote Jun 2023 – Apr 2024

*Primenumbers Technologies Private Limited*

- Automated ETL pipeline deployments with Bash and Python, reducing manual deployment time by 90%.
- Implemented advanced data extraction workflows using OpenAI function calls and Tesseract, effectively processing digital and scanned documents.
- Created scalable scrapers for Indian tender and RERA sites, handling dynamic pages and extracting data from HTML, PDFs, and other formats using Selenium, Requests, and BeautifulSoup.
- Developed and maintained cloud-based service endpoints with Python, FastAPI, and Django for internal email and phone verification tasks.

## Projects

### Telegram Userbot

[github.com/TgCatUB/catuserbot](https://github.com/TgCatUB/catuserbot)

- Built a Telegram userbot using Python and the Telegram API, integrating with multiple APIs such as Spotify, Google, and OpenAI.
- Used Docker and PostgreSQL for faster deployments and consistent environments.
- Grew the user base to over 5,000 on Telegram and earned multiple forks on GitHub.

### SSH4ME

[github.com/Jisan09/SSH4Me](https://github.com/Jisan09/SSH4Me)

- Developed a Docker-based workflow that allows secure root access through an Ngrok tunnel.
- Integrated with GitHub Actions and Railway for cloud/local deployments.

### Pyselsearch

[github.com/Jisan09/pyselsearch](https://github.com/Jisan09/pyselsearch)

- Developed an alternative to google-search-python using SeleniumBase for automated search and scraping.
- Published as a Python package on PyPI, making it easy to integrate into other projects.

## Education

**B.Sc. Computer Science** – University of Calcutta

Kolkata, 2021

**Higher Secondary Education** – W.B.C.H.S.E

Murshidabad, 2017

## Achievements & Certifications

- Generative AI with Large Language Models – DeepLearning.AI (2024)
- Crash Course on Python – Google (2023)