

# Saim Malik

## Senior Full Stack Engineer

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### SUMMARY

Senior Full Stack Engineer with 6+ years of experience building scalable SaaS platforms and AI-powered applications using Python (Django/FastAPI) and ReactJS/NextJS. Proven track record of delivering high-impact systems, including an AI-powered auditing platform that uncovered \$40M+ in revenue leakage. Experienced in leading engineering teams, designing distributed architectures, and shipping end-to-end product features including intelligent search, automation, and AI assistants. Strong expertise in backend systems, APIs, and modern frontend frameworks, with a focus on performance, scalability, and production reliability.

### EXPERIENCE

#### Senior Full Stack Engineer / Team Lead

Lahore, Pakistan

[Devsinc](#)

2023 - Present

Software and product engineering company with global scale and expertise. It delivers cost-effective enterprise and web/mobile solutions using modern and emerging technologies.

- Architected scalable multi-tenant SaaS platforms using Django, Next.js, and PostgreSQL.
- Built data platform integrating 100+ sources, supporting large-scale analytics and business insights.
- Developed AI-powered features including intelligent search, automation, and conversational assistants.
- Led a team of 15+ engineers, reducing production defects by 75% through CI/CD improvements.
- Designed microservices architecture, improving system scalability and reliability.

#### Senior Full Stack Engineer (Remote Contract via Devsinc)

Remote

[letsremotify](#)

01/2023 - 01/2025

Remote company providing software solutions.

- Delivered 25+ production features across multiple SaaS applications.
- Built full-stack systems using Django (backend) and React.js (frontend).
- Improved code maintainability by 50% through structured code reviews and best practices.
- Automated CI/CD pipelines reducing release cycles by 30%.
- Collaborated with distributed teams to deliver scalable, production-ready systems.

#### Senior Software Engineer (Remote Contract via Devsinc)

Remote

[JWS Software Group](#)

04/2022 - 01/2024

U.S.-based remote software company

- Directed the development team in conducting bi-weekly architecture discussions, resulting in the successful design and implementation of over 25 new features in the product.
- Designed and delivered scalable backend systems for high-traffic applications.
- Optimized database performance and API response times for large-scale systems.
- Led architecture discussions and implemented 25+ product features.
- Improved system reliability and testing success rate to 95%.
- Introduced development standards reducing defects by 75%.

#### Senior Software Engineer

Lahore, Pakistan

[Devsinc](#)

2021 - 2023

Software development company focusing on Ruby on Rails.

- Built scalable REST APIs powering modern React-based applications
- Developed backend systems using Django, FastAPI, and Ruby on Rails
- Integrated AI-powered features for automation and intelligent workflows
- Improved application performance by 20% through caching and query optimization
- Delivered multiple production-grade web applications end-to-end

#### Software Engineer

Lahore, Pakistan

[CCJK Technologies](#)

2020 - 2021

Technology company offering software development services.

- Collaborated with a team of developers to design and implement RESTful APIs using Ruby on Rails framework.
- Developed backend APIs and services using Ruby on Rails and Python
- Built scalable systems for enterprise and translation platforms
- Contributed to full-stack development including API design and database architecture
- Participated in Agile development and code review processes

### EDUCATION

#### Bachelor of Computer Sciences

Lahore

University of Central Punjab

2016 - 2020

#### Intermediate in Computer Science (ICS)

Lahore

The Concordia Colleges

2014 - 2016

## SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, Ruby

**Backend Frameworks:** Django, FastAPI, Flask, Ruby on Rails, Django REST Framework, GraphQL API

**Frontend Frameworks:** ReactJS, NextJS, Redux, VueJS, HTML5, Tailwind CSS

### AI & Machine Learning:

Large Language Models (LLMs), OpenAI API, Prompt Engineering, AI Assistants, Retrieval-Augmented Generation, Intelligent Search, NLP, Recommendation Systems, ML Pipelines, Model Deployment

### Cloud & DevOps:

AWS, S3, EC2, RDS, SQS, IAM, Docker, Kubernetes, CI/CD Pipelines, Jenkins, CircleCI, GitHub Actions, Cloud Deployment

### Architecture:

Microservices Architecture, Event-Driven Systems, Distributed Systems, Asynchronous Processing, Message Queues, High-Concurrency Systems, Multi-Tenant Architecture, Scalable Backend Systems

**Tools & Collaboration:** Git, Bitbucket, JIRA, Agile/Scrum, Code Reviews, Technical Documentation, SDLC

## PROJECTS

### AI-Powered E-Commerce Marketplace

**Tech Stack:** Django, Ruby on Rails, ReactJS, TensorFlow, Elasticsearch, AWS, Redis, Stripe API, Microservices

- Designed AI-driven e-commerce marketplace with ML-based recommendation engine using TensorFlow and behavioral analytics.
- Integrated LLM-style NLP capabilities for product search enhancement and customer interaction automation.
- Implemented Elasticsearch-based advanced product search with optimized indexing strategies.
- Built scalable backend APIs using Django and Ruby on Rails following microservices architecture principles.
- Implemented fraud detection models using machine learning techniques.
- Integrated Stripe API for secure payment processing.
- Deployed on AWS with Redis caching and background job processing for high-traffic scalability.

### MLIngestion Pro

**Tech Stack:** Python, Django, FastAPI, Snowflake, PostgreSQL, ReactJS, AWS (S3, EC2, RDS), Redis, Celery, Docker, Microservices Architecture

- Architected distributed microservices-based data platform ingesting 100+ MLS feeds and public datasets into Snowflake data warehouse.
- Designed large-scale ETL pipelines in Python processing millions of structured and semi-structured records using Snowflake's native JSON capabilities.
- Built AI-driven auditing engine using fuzzy matching and heuristic ML techniques to analyze 10+ years of transactions, uncovering \$40M+ in missed commissions.
- Developed Django & FastAPI-based REST APIs exposing high-volume listing and transaction datasets.
- Implemented asynchronous processing with Celery + Redis for background ingestion, enrichment, and reconciliation tasks.
- Designed multi-tenant RBAC-secured API layer for enterprise analysts and legal teams.
- Built ReactJS dashboards enabling real-time data exploration and analytics.
- Deployed services on AWS with Dockerized containers and scalable infrastructure.
- Implemented monitoring and alerting to ensure high reliability of ETL jobs.

### Marshub – Enterprise Translation & NLP Platform

**Tech Stack:** Ruby on Rails 6/7, Django, Python, ReactJS, NLP Pipelines, GCP, AWS, Microservices

- Developed enterprise-grade translation management platform supporting 70+ file formats and 25+ machine translation engines.
- Built Python-based microservices for NLP preprocessing, document parsing, and language detection.
- Integrated AI/ML workflows for automated content transformation and semantic processing.
- Implemented distributed architecture enabling scalable document processing pipelines.
- Leveraged ReactJS for dynamic frontend with real-time updates using ActionCable.
- Deployed backend services on cloud infrastructure (AWS/GCP) ensuring reliability and scalability.
- Upgraded Ruby & Rails versions (Rails 6 → 7), improving security and performance.