

HAMZA ASIF

London, UK | +44 7438 441534 | hamzamalix404@gmail.com
[LinkedIn](#) | [GitHub](#) | hamzamalix.com

SUMMARY

Full-stack engineer with 5+ years shipping production SaaS, marketplaces, and AI-integrated applications in Python (Django, FastAPI) and React/Next.js/TypeScript. Specialist in applied AI, LLM-powered pipelines, computer vision systems, and agentic workflows deployed to production. Delivered 150+ projects for clients across 20+ countries through co-founded digital agency.

TECHNICAL SKILLS

Backend: Python, Django, Django REST Framework, FastAPI, Celery, Redis, Node.js, RESTful APIs, WebSockets

Frontend: React, Next.js, TypeScript, JavaScript, Redux, Tailwind CSS, Ant Design, HTML/CSS, Framer Motion

Databases: PostgreSQL (indexing, query optimisation, schema design), MongoDB, Redis

AI/ML: PyTorch, TensorFlow, LLM APIs (Claude, OpenAI), RAG, Agentic Workflows, NLP, Computer Vision

DevOps & Tools: Docker, AWS, Google Cloud Platform, Git, GitHub Actions, Vercel, CI/CD, Selenium, BeautifulSoup

PROFESSIONAL EXPERIENCE

Co-Founder (part-time) | *Vistabyte* | Remote

Jan 2023 – August 2025

- Co-founded and scaled digital agency delivering 150+ web applications for clients across 20+ countries, spanning fintech, real estate, e-commerce, and AI sectors
- Architected full-stack solutions using Django/FastAPI backends, React/Next.js frontends, and PostgreSQL, owning projects from requirements gathering through deployment
- Managed cross-functional teams of up to 5 developers, maintaining consistent on-time delivery across concurrent client engagements
- Built and maintained long-term client relationships through clear communication, iterative delivery, and proactive problem-solving

Software Engineer | *Codencreative Tech Pvt Ltd* | Remote

Feb 2022 – Feb 2025

- Built and maintained full-stack applications using Django REST Framework, React, and TypeScript for enterprise clients on Google Cloud Platform
 - Led migration of a legacy browser-based application from plain HTML to React + TypeScript, resulting in 20% improvement in user engagement
 - Developed and optimised REST APIs with Django, implementing Redux state management and reducing application load times by 30%
 - Delivered 5+ production web applications averaging 20,000 monthly users, integrating third-party libraries and payment systems
 - Collaborated with cross-functional teams in agile workflows, consistently meeting delivery timelines across multiple concurrent projects
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PROJECTS

IntentHub, B2B Intent Detection SaaS (In Production)

Django REST + React + PostgreSQL + Celery + Redis + Claude API

- Built multi-tenant B2B platform for a France-based client that detects purchase intent signals for sales teams from web data

- Designed async data pipeline: web scraping → LLM analysis → structured JSON extraction → PostgreSQL storage, with rate-limit-aware task distribution
- Implemented multi-tenant data isolation, Celery-based background processing, Redis caching, and real-time React dashboard updates

CityAgent, Two-Sided Marketplace (Live)

Next.js + Django REST + PostgreSQL + BTCPay Server + Telegram API

Live: city-agent-frontend.vercel.app

- Full-stack marketplace with geolocation search, verified agent profiles, reviews, subscription tiers, crypto payments, and Telegram bot notifications
- Optimised PostgreSQL queries with indexing for city-based filtering across listings, favourites system, and upvoted leaderboard mechanics

TheMovia, Cinema Booking Platform

Django + Next.js + PostgreSQL + Selenium + BeautifulSoup + Celery

Live: themovia.com

- Built full-featured movie booking platform with showtime scheduling, location-based cinema filtering, and seat management
- Developed automated cinema data scraping system for Saudi Arabian cinema chains using Selenium, BeautifulSoup, and Celery scheduling

ShopperTracker, Grocery Price Comparison Platform

Next.js + Python + PostgreSQL + PDF Scraping + AI Extraction

Live: shoppertrackerpr.com

- Real-time product price comparison tool across Puerto Rico retailers with automated PDF scraping and AI-powered product extraction

InvestiGator, Autonomous AI Investigation Platform (Google Gemini Hackathon)

Python + Gemini API + Multi-Agent Architecture

- Built autonomous investigation platform during Google Gemini 3 Hackathon using multi-agent architecture that researches, analyses, and synthesises findings from multiple sources

Violence Detection System, Deep Learning (Deployed)

PyTorch + 3D CNNs + VPS

Live: ai.axvene.com

- Real-time violence detection system using 3D Convolutional Neural Networks, trained on video datasets and deployed on VPS

EDUCATION

MSc Applied Artificial Intelligence

2025 – 2026

London South Bank University, London, UK

Focus: Deep Learning, NLP, Computer Vision, MLOps, Generative AI, Responsible AI

BSc Software Engineering

2018 – 2022

Bahria University, Islamabad, Pakistan