MUHAMMAD UZAIR

Agentic AI Developer | Backend Engineer | Full-Stack Developer

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PROFESSIONAL SUMMARY

Agentic AI Developer with expertise in CrewAI, LangChain, Copilot Studio, and n8n workflow automation. Strong full-stack developer with FastAPI and Django backend skills. Experienced in building AI-powered applications, SaaS platforms, intelligent automation systems, and complex enterprise dashboards.

CORE COMPETENCIES

- **Agentic AI Systems:** CrewAI | LangChain | LangGraph | Multi-Agent Systems | AI Agent Development | Autonomous Workflows
- **Generative AI & LLMs:** LLMs | RAG (Retrieval-Augmented Generation) | Custom GPTs | Hugging Face | Gemini API | Fine-tuning
- **Frontend Development:** Next.js | React | React Native | JavaScript | TypeScript | Tailwind CSS | Bootstrap | HTML5 | CSS3
- **Backend Development:** FastAPI | Django | Flask | Node.js | Express.js | RESTful APIs | GraphQL | Microservices
- **Copilot & AI Integration:** Copilot Studio | Microsoft AI Integration | Custom Copilot Development | AI-Powered Workflows
- **n8n & Workflow Automation:** n8n Platform | Complex Workflow Design | API Integrations | Business Process Automation
- **DevOps & Infrastructure:** Docker | Kubernetes | CI/CD Pipelines (GitHub Actions, GitLab CI) | AWS | Azure | NGINX | SSL/TLS
- **Databases & Tools:** MongoDB | PostgreSQL | MySQL | Redis | Git | GitHub | Jira | Slack | Casbin (RBAC)

PROFESSIONAL EXPERIENCE

Agentic AI & Backend Developer | Cartlow (May 2025 – Present)

- Developing Agentic AI systems using LangChain, CrewAI, and LLMs to automate business processes and enhance decision-making workflows
- Designing and optimizing backend APIs with FastAPI and Django, ensuring scalability, performance, and seamless integration with frontend systems
- Building AI-powered features including data summarization, chatbot automation, and intelligent content generation
- Implementing n8n workflows for business process automation and enterprise integration
- Deploying applications with Docker and CI/CD pipelines for continuous integration and automated testing

KEY PROJECTS & ACHIEVEMENTS

Postsiva Platform – Multi-Platform Social Media Automation

Comprehensive social media management platform featuring integrations with LinkedIn, Facebook, YouTube, and other major platforms. Led backend development using FastAPI, architecting RESTful APIs and implementing advanced AI features for content automation, scheduling, and analytics. Built specialized automation modules for each platform:

- LinkedIn Automation: AI content generation (idea-to-post, content enhancement, content-to-image), persona builder, media storage, scheduling, and analytics with OAuth integration
- YouTube Automation: AI-powered titles, descriptions, thumbnails, timestamps, smart scheduling, auto-publishing, channel analytics, and AI Comment Replier with 24/7 viewer engagement
- Facebook Automation: Smart human-like automation, precision targeting, advanced analytics, engagement booster, team collaboration, and enterprise-grade safety with proxy rotation

Tech Stack: FastAPI | Python | Next.js | REST APIs | YouTube Data API | LinkedIn API | OAuth | AI Integration

Qyra AI Assistant – Comprehensive AI-Driven Mobile Ecosystem

Full-featured AI assistant application seamlessly integrated with Esqyra Watch for intelligent personal assistant capabilities. Features complete voice and chat interactions merged with task management, health insights, and productivity tracking.

- AI-driven task management with intelligent scheduling and recommendations
- Real-time location tracking and weather updates integration
- Curated news aggregator covering politics, social trends, and global events
- Proactive health and productivity insights with personalized recommendations
- Fully responsive dashboard with voice and chat interface

Tech Stack: React Native | TypeScript | REST APIs | MySQL | Tailwind CSS | AI Integration

Agentia – AI-Powered Website with GeminiAI Integration

Full-featured portfolio and AI tools website showcasing multiple AI applications and projects. Built with modern web technologies featuring GeminiAI integration, Python backend, and responsive design.

- GeminiAI-powered tools and features
- Responsive multi-page layout with modern UI/UX
- Integration with multiple AI tools and applications
- Complete portfolio showcase of projects and skills

Tech Stack: GeminiAI | Python | HTML | JavaScript | Tailwind CSS | Next.js

MoboCheck Platform – Enterprise Multi-Role Dashboard

Full-stack enterprise backoffice dashboard with sophisticated role-based access control (RBAC). Dynamic permission system managed through Casbin integration, ensuring secure and scalable access management.

- Multi-role authentication with role-based access control via Casbin
- Dynamic permission management sent from backend to frontend
- Real-time updates, notifications, and activity logging
- Comprehensive user, device, order, license, and organization management
- Responsive dashboard built with React and TypeScript

Tech Stack: React | Node.js | MySQL | Casbin | TypeScript | Tailwind CSS | REST APIs

Complete AI Application with Multiple Features

Advanced agentic AI applications using LangChain and LLMs for context-aware, interactive AI responses with agent-based architecture.

- Context-aware AI responses with multi-turn conversation support
- Agent-based architecture for complex task orchestration

- Seamless integration with external APIs and data sources

Tech Stack: LangChain | Python | Gemini API | Agentic AI

Complete Multipage Website (Tailwind CSS)

Modern responsive website built with HTML, CSS, Tailwind CSS, and JavaScript focusing on contemporary UI/UX design principles.

- Responsive multi-page layout
- Modern Tailwind-based styling
- Clean UI/UX design patterns

Tech Stack: HTML5 | CSS3 | Tailwind CSS | JavaScript

N8N WORKFLOW AUTOMATION

Built and maintained 24+ sophisticated n8n workflows automating complex business processes including content generation, social media automation, analytics, and data processing. Key workflows include:

- **LinkedIn AI Content Generator** (49 nodes): AI-powered LinkedIn post generation with persona and content tuning
- **Post Generator** (52 nodes): Generate and manage social posts with AI, scheduling, and multi-platform publishing
- **Social Media Post Creation** (61 nodes): End-to-end social media post creation with AI and multi-platform support
- **Calan Newsletter Generator** (44 nodes): Automated newsletter generation and distribution with custom links
- **Article Scraper Parent Workflow** (19 nodes): Parent workflow for scraping and processing articles at scale
- **Competitor Analysis** (33 nodes): Analyze competitor content and performance with AI insights
- **Email Delivery with Brevo** (12 nodes): Transactional and marketing email delivery via Brevo (Sendinblue)
- **Writing Style Analyzer** (9 nodes): Analyze and extract writing style patterns from content
- **Content Pattern Analyzer** (9 nodes): Detect content patterns and themes for strategy optimization
- **Topics Keywords Extractor** (9 nodes): Extract topics and keywords from text for SEO and planning
- **Firecrawl Web Scraping** (14 nodes): Advanced web scraping and data extraction using Firecrawl
- **Video Analysis** (4 nodes): Analyze video content and extract insights with AI

PROFESSIONAL CERTIFICATIONS

24 Professional Certifications across AI, Backend, and Frontend development:

AI & Generative AI Certificates (11)

- **Agentic AI Level One** – Presidential Initiative for AI & Computing
- **Agentic AI Level Two** – Presidential Initiative for AI & Computing
- **AI Agents: From Prompts to Multi-Agent Systems** – Coursera
- **AI For Everyone** – DeepLearning.AI
- **Generative AI Application Developer Certificate** – Google Cloud
- **Introduction to Generative AI** – Google
- **Introduction to Large Language Models** – Google
- **Introduction to Responsible AI** – Google
- **Microsoft Certified: Azure AI Fundamentals** – Microsoft

- **Responsible AI: Applying AI Principles with Google Cloud** – Google Cloud
- **Prompt and Context Engineering** – Professional

Backend Development Certificates (3)
- **Introduction to FastAPI Framework** – Duke University
- **Crash Course on Python** – Google
- **Python Programming Fundamentals** – Coursera

Frontend Development Certificates (6)
- **HTML and CSS in Depth** – Meta / Coursera
- **Introduction to HTML, CSS, & JavaScript** – IBM
- **Introduction to Next.js** – Vercel
- **Tailwind CSS Basics** – Professional
- **Tailwind CSS Practice Project: Build a Product Card** – Professional
- **Tailwind CSS Practice Projects** – Professional

EDUCATION

Bachelor of Business and Information Technology | University of Engineering and Technology, Lahore (Dec 2022 – Present) | 3.5 CGPA

FSC Pre-Engineering | Barrett Hodgson International College (2020-2022) | A+ Grade