Asif Rashid

SENIOR AI ENGINEER | PYTHON EXPERT | FULL-STACK ENGINEER

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Summary: Results-driven Software Engineer and AI Solutions Architect with over 7+ years of proven expertise in full-stack back-end development, advanced AI implementations, and DevOps. Specialized in Python frameworks including Django, DRF, Flask, and FastAPI, as well as developing intelligent autonomous systems using AI frameworks like Langchain, CrewAI, LangGraph, and PhiData. Extensive experience with AWS services, crafting scalable solutions, integrating third-party APIs, and implementing CI/CD pipelines. Demonstrated ability to lead and collaborate within dynamic teams, delivering high-quality, innovative software solutions to meet diverse business needs.

PROFESSIONAL EXPERIENCE

Agilisys, Remote, UK   JAN 2022 – PRESENT
Sr. Software Engineer | AI Solutions Architect and Problem Solver
- Delivered AI-driven solutions using LLMs, Knowledge Base, CrewAI, LangChain, Streamlit, and Composio.
- Architected and developed advanced AI platforms with seamless integrations.
- Created a Google bot to stream camera feeds in Google Meet using Python, Selenium, JS sockets, and WebRTC.
- Designed scalable back-end solutions, enhancing system performance by 30 percent.
- Led the implementation of microservices to address scalability challenges.
- Developed efficient back-end systems using Python frameworks like Django, DRF, and Flask.
- Engaged in DevOps practices, streamlining CI/CD pipelines and optimizing workflows.
- Collaborated with cross-functional teams to deliver high-quality software products.

Fujitsu, Remote, UK   JULY 2019 – DEV 2021
Software Engineer | AI-Driven Web Innovator
- Delivered over 60 freelance and project-based initiatives, meeting diverse client needs.
- Built web applications with a dynamic tech stack for user-friendly interfaces.
- Worked on the full software development lifecycle, from requirements to deployment.
- Designed AI platforms like BlackBearAI with GPT integrations and ThoughtFulResponse.AI for social media responses.
- Collaborated on back-end and web development, contributing to project success.
- Implemented features with senior team members, ensuring aligned goals.
- Resolved issues to deliver polished, responsive web applications.

Capita, London, Uk   MAY 2018 – MAY 2019
Software Developer | Web Automation, Data Extraction Expert
- Built expertise as a freelance web developer on Fiverr.
- Designed and optimized web scrapers using Python, requests, BeautifulSoup, and Selenium.
- Automated data collection processes with custom scripts and tools.
- Delivered projects on time, earning positive client feedback and repeat business.
- Solved complex challenges across various web scraping tasks.

EDUCATION

COMSATS University, Lahore, PK   SEP 2013 – MAY 2017
Bachelor of Science in Computer Science
- Specialized in machine learning, statistics, and advanced mathematics, excelling in analytical and problem-solving courses.
- Completed internships at innovative startups, gaining hands-on experience in software development and AI applications.
- Demonstrated strong proficiency in Python, data analysis, and machine learning frameworks during academic projects.
- Actively participated in tech competitions and workshops, further enhancing technical and collaborative skills.

SKILLS

Languages: Python, Node.js
Web (Backend): AI-Driven Back-End Solutions, LangChain, CrewAI, Composio, AISuite, PhiData, Django, DRF (Django Rest Framework), Flask, FastAPI, Streamlit, Celery
Web (Frontend): NextJS, VueJS, ReactJS, JavaScript, JQuery, AJAX, QRcodeJS, HTML, CSS, Bootstrap, TailwindCSS
AI & Automation: Knowledge Base Systems, AI Model Fine-Tuning, AI Chatbots, Intelligent Automation, Task Automation Frameworks
Web Scraping: Playwright, ScraperGraph AI, Selenium, Requests, BeautifulSoup4, Scrapy, Stealth Scraping
API Integrations: LLM Integration, OpenAI, Claude, Groq, ElevenLabs, D-ID, Stripe, PayPal, Binance, Boto3 (AWS), OpenStack, MailChimp, SendGrid, Twilio, Twitter v2, Google Maps, Google Drive, Snowflake, Slack
Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
DevOps & Cloud Services: AWS, Docker, Kubernetes, Azure Functions, GCP, GitHub Actions, Git, CI/CD Automation
Data Science & Machine Learning: Pandas, NumPy, TensorFlow, Jupyter Notebooks, Scikit-learn, Model Training & Fine-tuning, AI Model Deployment
Testing: Pytest, Unittest, Locust, JMeter, Selenium Testing, Performance Testing, Test Automation Frameworks
Additional Tools: Linux Bash Scripting, GitLab, GitHub, VSCode, PyCharm, PyPi
Soft Skills: Effective communicator, Team collaboration, Problem-solving, Time management, Adaptability, Detail-oriented, Critical thinking, Creativity, Decision-making, Positive attitude, Flexibility, Open to feedback, Goal-oriented, Innovation-driven, Analytical mindset

ACHIEVEMENTS

Notable Accomplishments
- Delivered over 90 projects, contributing to initiatives valued at over $3M.
- Architected and integrated AI-driven solutions using LLMs, LangChain, CrewAI, and more.
- Improved project workflows by 20 percent through process innovations.
- Spearheaded scalable AI platform development, driving advanced integrations and automation.
- Fostered cross-functional collaboration, achieving impactful project outcomes.
- Enhanced system performance by 30 percent through optimized back-end solutions and microservices.
- Contributed to open-source projects, sharing expertise with the community.

PROJECTS

TeamAI

https://teamai.dev

Role: AI Team Lead

A platform for building collaborative multi-agent AI systems that execute complex workflows. Users can visually configure agents, assign roles, and deploy them in real-world tasks. Designed for developers building AI-powered automation.

PromptimizeAI

https://www.promptimizeai.com

Role: AI Solutions Engineer

A prompt engineering tool that helps users test, refine, and compare prompts across models like GPT, Claude, and Gemini. It streamlines prompt iteration with a side-by-side output view. Ideal for teams optimizing LLM outputs for accuracy and tone.

Maya Knows

https://mayaknows.com

Role: Full Stack Engineer

An enterprise AI assistant that unifies internal knowledge from documents, tools, and systems. It enables natural language search and delivers intelligent summaries through a chat interface. Designed to improve knowledge access across teams.

Lumi AI

https://www.lumi-ai.com

Role: Backend & DevOps Engineer

An AI-powered data exploration tool that transforms natural language questions into visual dashboards. It connects to datasets and auto-generates insights, summaries, and charts. Perfect for teams needing fast, intuitive data analysis.