

ABDUL REHMAN

SENIOR AI ENGINEER | PYTHON EXPERT | FULL-STACK ENGINEER

Lahore, Pakistan • +92 3178940027

[linkedin.com/in/ardev](https://www.linkedin.com/in/ardev) • abduldev.co • email@abduldev.co

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

InvoZone, Lahore, PK

Nov 2023 – 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.

DexterSol, Lahore, PK

FEB 2021 – AUG 2023

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.

Freelance Work

FEB 2018 – JAN 2021

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 2014 – Nov 2018

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

PROJECTS

For a comprehensive list of my projects and detailed work experience, please visit my personal portfolio website: www.abduldev.co

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.