MOHAMED KHALIFA

Full Stack Developer | AI/ML Engineer | Infrastructure Specialist

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GitHub: github.com/mokhalifa83 | Portfolio: mokhalifa.site

PROFESSIONAL SUMMARY

Full Stack Developer and AI/ML Engineer with 9+ years of freelance experience and strong infrastructure background. Specialized in building AI-powered web applications, RAG systems, and modern JavaScript solutions. Successfully delivered 100+ projects on Fiverr combining expertise in Python, React, Node.js, and AI technologies including LangChain, TensorFlow, and agentic AI frameworks. Notable projects include SeeraCV (AI-powered Arabic CV builder SaaS) and phantom-mcp (popular open-source tool with 24 stars). Strong foundation in network security and systems administration from previous enterprise roles.

PROFESSIONAL EXPERIENCE

Full Stack Developer & AI/ML Engineer | Fiverr (Freelance)

Jan 2016 – Present | Remote

- Delivered 100+ full-stack web development and AI/ML projects for international clients across diverse industries
- Developed SeeraCV - Professional Arabic CV builder SaaS with AI-powered content suggestions, React, TypeScript, Supabase backend, and Stripe payment integration
- Created phantom-mcp - Open-source Python tool gaining 24 GitHub stars and 18 forks, demonstrating community impact
- Built AI-powered applications using LangChain, LangGraph, CrewAI, AutoGen, and RAG (Retrieval-Augmented Generation) systems with vector databases
- Developed secure, scalable web applications using React, Node.js, Express, TypeScript with focus on performance optimization and security best practices
- Implemented machine learning solutions using TensorFlow and Python for intelligent features and predictive analytics
- Architected and deployed RESTful APIs and full-stack solutions with PostgreSQL, MongoDB, MySQL, and Supabase databases
- Created responsive web applications and tools including watermark removers, booking systems, and custom CMS solutions
- Managed complete project lifecycles from requirements gathering through deployment, utilizing Git version control and modern DevOps practices

Professional Development & Advanced Studies

2012 – 2015 | Self-Directed Learning

- Focused on advanced web development technologies and modern programming frameworks
- Completed intensive coursework in JavaScript, React, Node.js, and full-stack development methodologies
- Built personal portfolio projects and contributed to open-source communities to develop practical skills

Network Security Specialist | Islamic Relief UK

Apr 2009 – Dec 2011 | Birmingham, United Kingdom (On-site)

- Conducted comprehensive network security assessments identifying vulnerabilities and implementing remediation strategies
- Configured and maintained Cisco ASA firewalls, intrusion detection/prevention systems (IDS/IPS), and VPN solutions
- Designed and implemented network segmentation strategy improving security posture and compliance
- Managed security incident response procedures and conducted forensic analysis of security events
- Developed and delivered cybersecurity awareness training programs for 500+ employees

Systems Administrator | FedEx Corporation

Apr 2007 – May 2009 | Tripoli, Libya (On-site)

- Administered enterprise Windows Server infrastructure supporting critical business operations with 99.5% uptime
- Managed network infrastructure including Cisco routers, switches, and firewalls serving organizational needs
- Implemented VLAN segmentation and QoS policies improving network performance by 35%
- Developed PowerShell automation scripts for routine administrative tasks improving operational efficiency
- Administered MySQL databases with automated backup procedures ensuring data integrity
- Implemented monitoring solutions using SNMP and SolarWinds reducing incident response time

Senior Infrastructure Engineer | TechCorp Solutions

May 2006 – Jun 2008 | Tripoli, Libya (On-site)

- Architected and implemented multi-site network infrastructure supporting 5,000+ users using Cisco technologies
- Designed and deployed enterprise-wide Active Directory infrastructure with Group Policy implementations
- Configured Cisco routers, switches, and security appliances ensuring network reliability and security
- Managed Microsoft Exchange Server email infrastructure with high availability configuration
- Implemented SQL Server databases with automated backup systems and disaster recovery procedures
- Developed automated monitoring and alerting systems significantly reducing system downtime

TECHNICAL SKILLS

AI/ML & Advanced Technologies: LangChain, LangGraph, CrewAI, AutoGen, BeeAI, RAG Systems, Vector Databases, TensorFlow, Generative AI, Agentic AI, Multimodal AI Applications

Full Stack Development: JavaScript, TypeScript, Python, React, Node.js, Express.js, HTML5, CSS3, PHP, WordPress, RESTful APIs, Supabase, Git, Docker

Databases: PostgreSQL, MySQL, MongoDB, Supabase, SQL Server, Database Design, Performance Optimization, Backup & Recovery

Cybersecurity: Network Security, Penetration Testing, Vulnerability Assessment, Firewalls, IDS/IPS, VPN, Security Auditing, Identity Management

Infrastructure & Networking: TCP/IP, Cisco IOS, Routing & Switching, VLANs, Network Design, Windows Server, Active Directory, PowerShell, Linux, Bash Scripting

Tools & Platforms: VS Code, Git, GitHub, Linux, Stripe Integration, Payment Systems, SaaS Development, CI/CD, SolarWinds, Network Monitoring

NOTABLE PROJECTS

SeeraCV - AI-Powered CV Builder SaaS

- Professional Arabic CV builder with AI-powered content suggestions and intelligent formatting
- Tech Stack: React, TypeScript, Supabase, Stripe payment integration, AI/ML content generation

phantom-mcp - Open Source Python Tool

- Popular open-source Python project with 24 GitHub stars and 18 forks
- Demonstrates strong community engagement and code quality recognized by developer community

Additional Projects

- Watermark Remover - AI-powered image processing application
- Vista Suites - Hotel booking and management system
- Various custom web applications, APIs, and automation tools for diverse client needs

CERTIFICATIONS & TRAINING

CompTIA Security+ CE

Industry-recognized cybersecurity certification

IBM AI & RAG Specialization (Coursera) - 10 Courses Completed:

- Fundamentals of Building AI Agents (Grade: 100%)
- Agentic AI with LangChain and LangGraph (Grade: 100%)
- Agentic AI with LangGraph, CrewAI, AutoGen and BeeAI (Grade: 95.23%)
- Advanced RAG with Vector Databases and Retrievers (Grade: 92.85%)
- Vector Databases for RAG: An Introduction (Grade: 92.85%)
- Introduction to Cybersecurity Careers (Grade: 95%)
- Build Multimodal Generative AI Applications (Grade: 85.71%)
- Develop Generative AI Applications: Get Started (Grade: 100%)
- Build RAG Applications: Get Started (Grade: 90.47%)
- Security Fundamentals and Identity Management - Packt (Grade: 96%)

EDUCATION

Bachelor of Science in Information Technology

University of Tripoli | 2002 – 2007

ADDITIONAL INFORMATION

- Languages: Arabic (Native), English (Fluent), Swedish (Intermediate)
- Location: Based in Gävle, Sweden - Available for remote work globally
- Active open-source contributor with demonstrated community impact (phantom-mcp: 24 stars)
- Portfolio: mokhalifa.site | GitHub: github.com/mokhalifa83
- Successfully delivered 100+ freelance projects on Fiverr with consistent 5-star ratings