

Zulqarnain Haider

AI Full-Stack Lead | Principal Software Engineer | AI Engineer

Lahore, Pakistan | Open to Global Remote

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PROFESSIONAL SUMMARY

AI-focused Principal Software Engineer with 6+ years of experience building full-stack applications, REST APIs, Python back ends, JavaScript front ends, AWS serverless systems, and automation workflows. Strong fit for global remote AI/software roles requiring hands-on delivery, architecture ownership, product collaboration, and senior engineering judgment.

Target roles: AI Engineer, AI Software Engineer, Principal Software Engineer, Senior Full-Stack Engineer, Backend Engineer, Cloud Engineer, Founding Engineer.

CORE SKILLS

AI Engineering: LLMs, RAG, RagFlow, AI Agents, Chatbots, Workflow Automation, LangChain, LangGraph, LlamaIndex, Vector Databases, Embeddings, Semantic Search, Prompt Engineering, Context Engineering, Model Evaluation, LLMOps, OpenAI API, AWS Bedrock.

Languages & Front End: JavaScript ES6+, Python, HTML, CSS, SASS, Vue.js, React, Next.js.

Back End & APIs: Node.js, Express.js, Django, FastAPI, REST APIs, Axios, Postman.

Cloud, Data & DevOps: AWS Lambda, EC2, S3, CloudFormation, Step Functions, SNS, SQS, CloudWatch, Docker, PostgreSQL, MySQL, MongoDB, Mongoose, Git, GitHub, GitLab, GitHub Actions, Bitbucket Pipelines, Jest, Selenium, JIRA, Trello.

PROFESSIONAL EXPERIENCE

Tkxel - Principal Software Engineer

Lahore, Pakistan | Jul 2021 - Present

Global technology consulting and software development firm focused on cloud solutions and digital transformation.

- Develop full-stack product features using JavaScript, Vue.js, Node.js, Python, and Django, improving scalability, maintainability, and delivery velocity across client platforms.
- Designed and deployed AWS serverless services using Lambda, API Gateway, DynamoDB, and cloud-native patterns, reducing infrastructure costs by 25%.
- Integrated REST APIs with front-end applications and optimized data flows, reducing server response time by 20%.
- Led migration of legacy systems to Python and AWS-based architectures, improving performance by 35% and creating a cleaner foundation for future product work.
- Mentor junior engineers in JavaScript, Python, API design, and engineering best practices, improving code quality and team productivity by 20%.
- Collaborate with UI/UX, product, and engineering stakeholders to translate ambiguous requirements into reliable, user-facing software.

Chakor - Software Engineer

Remote/Hybrid | Apr 2021 - Jun 2021

Custom software development company serving clients across multiple industries.

- Built RESTful APIs and integrated them with Vue.js applications, enabling fast, responsive user experiences.
- Collaborated directly with clients to clarify requirements and deliver tailored Python and JavaScript solutions.
- Improved application performance by 30% through code refactoring, caching, and tighter API integration.

Programmers Force - Junior Software Engineer

Lahore, Pakistan | Nov 2019 - Apr 2021

Fintech software company delivering secure financial technology products.

- Developed fintech applications from scratch using Vue.js, contributing to a 25% improvement in user adoption.
- Worked with cross-functional teams to deliver secure product launches across engineering, QA, and product workflows.
- Created technical documentation and API guidelines to improve product onboarding for engineers and clients.

Ainodes - Front End Developer

Aug 2018 - Nov 2019

Technology company providing SaaS-based IT solutions.

- Built responsive, scalable interfaces using Vue.js and JavaScript with cross-browser compatibility.
- Integrated front-end applications with back-end APIs, improving application reliability and reducing downtime.
- Delivered user-facing features that improved experience quality and reduced page load times by 15%.

SELECTED ACHIEVEMENTS

- **Cloud & Serverless Architecture:** Designed AWS serverless back-end systems that reduced infrastructure costs by 25%.
- **Performance Optimization:** Improved API and system performance by 30-35% through refactoring, caching, and cloud modernization.
- **Engineering Leadership:** Mentored developers and improved team productivity by 20% through code standards and practical engineering guidance.
- **Automation:** Automated workflows with Python, reducing manual tasks and improving operational efficiency by 20%.

EDUCATION & LANGUAGES

BS in Software Engineering, COMSATS University Islamabad, Abbottabad Campus | 2018

Languages: English (Fluent), Urdu (Native), Punjabi (Native)