Syed Ali Hassan

AI & Full Stack Engineer

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Professional summary

Visionary AI & Full Stack Engineer with over 8 years of experience in spearheading digital transformation through advanced AI and comprehensive full-stack solutions. Excels in utilizing cutting-edge technologies like LLM and RAG to boost business efficiency, underpinned by a strong command of Python, JavaScript, and database systems. Proactively drives AI innovation and scales solutions, aiming for a leadership role in a dynamic EdTech environment.

Employment history

misi | Full-stack Developer | remote

Feb 2025

- Led React Native/Expo and React front-end development, enhancing user experience
- Managed robust back-end services with Supabase, improving data management
- Oversaw AWS cloud infrastructure, ensuring secure and scalable service deployment
- Guided team members on best coding practices, boosting overall code quality
- Collaborated on feature development with cross-functional teams, driving product innovation

1Digit | AI & Backend Engineer | London Area, United Kingdom

Oct 2024 - Present

- Spearheaded AI chatbot development for SaaS projects, enhancing user engagement and system efficacy
- Conducted cutting-edge AI research, bolstering chatbot capabilities and customer satisfaction
- Implemented AI solutions seamlessly, leading to tangible boosts in user engagement and productivity
- Managed end-to-end AI chatbot development, ensuring seamless integration with backend systems and maintaining high-performance data processing standards

UCD Professional Academy | Part time Subject Matter Expert -frontned web development | Dublin

Jun 2024 - Present

- Leading interactive, industry-specific web development training for adult learners
- Mastering JavaScript and Python, facilitating advanced real-world applications
- Implementing practical use of Django, Bootstrap, and Express frameworks
- Enhancing knowledge on SQL and database management, emphasizing on CRUD operations
- Translating theoretical knowledge into practical coding exercises

Upwork | Freelance Full Stack Engineer | United States

Mar 2017

- Lead full-stack development with PostgreSQL, AWS, React.js, Django
- Elevate project success through Jenkins, Git-based DevOps collaboration
- Showcase adaptability, self-management in remote projects; meet client objectives

APPearl | Cto and Full stack Developer

Sep 2024 - Dec 2024

- Led innovative feature development for MerMapp, boosting user interaction through chat and comments
- Guided key architectural choices in mobile app development, infusing modern tech stack and solidifying best practices
- Executed system optimization strategies, enhancing platform efficiency and shortening deployment cycles
- Cultivated team unity via agile methodologies, mentoring junior developers to foster technical excellence

innex.ai | Senior Full Stack Engineer | Cambridge, England, United Kingdom

Mar 2024 - Jul 2024

- Led NHS project, enhancing API design and data management
- Developed responsive web interfaces with design team
- Ensured alignment of project with healthcare goals
- Enhanced user interaction with LLM-based chatbot development

Wildfish Limited | Senior Software Engineer | London, England, United Kingdom

Feb 2024 - Apr 2024

- Headed Python/Django backend development, enhancing user satisfaction.
- Boosted data processing efficiency by integrating PostgreSQL with front-end tech.
- Played a pivotal role in cross-functional team collaborations for seamless app deployment.
- Improved application reliability by resolving complex database issues.
- Ensured timely delivery of features through proactive project planning.

Quant Sport trading ltd | senior full stack developer | London Area, United Kingdom

Aug 2023 - Nov 2023

- Led team in devising state-of-the-art sports trading systems, enhancing operational efficiency
- Formulated algorithms to refine trading strategies, bolstering financial growth
- Partnered with ex-hedge fund manager to revolutionize sports trading
- Initiated the creation of machine learning models for predictive sports analytics, improving decision-making accuracy

Be the Business | Senior Application Developer and Tech Lead | London, England, United Kingdom

Apr 2023 - Jul 2023

- Led advanced technology development as AI & Full Stack Engineer
- Oversaw robust cloud infrastructures and big data management
- Ensured optimal application performance through rigorous system testing
- Facilitated seamless transition and continuity during project handover and deployment

Emperia | Senior Backend Engineer | London, England, United Kingdom

Aug 2022 - Mar 2023

- Spearheaded backend development using FastAPI and Python
- Orchestrated secure authentication utilizing Auth0
- Fostered collaboration with internal stakeholders for efficient handovers
- Amplified AWS services usage, optimizing web-enabling technologies
- Streamlined database management with MySQL and MongoDB

Reveall | Senior Full-stack Developer | Amsterdam, North Holland, Netherlands

Apr 2022 - Aug 2022

- Led full-stack Python & REST API development at Reveall
- Architected scalable, responsive solutions for rapid growth
- Fostered collaborative workflows for successful project outcomes

Argon Tech Inc | Senior Web Developer | lahore ,Pakistan

May 2020 - Nov 2020

- Led the design of AWS and GCP microservices architecture for optimal performance
- Utilized Django REST Framework and AWS CloudFormation for web applications development
- Ensured seamless team integration with Git version control
- Boosted application performance, contributing to architectural advancements
- Proactively tackled complex web development issues, keeping abreast of industry trends

Education

Master of Science - MS | Anglia Ruskin University | Cambridge

Sep 2021 - Mar 2023

This masters degree broadened my expertise through the use of Artificial Intelligence (AI) techniques and big data. In a world reliant on data it helped me in learning how to improve processes and monitor successes .

Bachelor of Science - BS | University of the Punjab

Oct 2016 - Nov 2020

The objectives of the BS Software Engineering program are to build a strong foundation in theoretical concepts in computing and software engineering. enable the use of software engineering methodologies and tools for requirements gathering, designing, engineering and testing software systems. nurture problem-solving skills, clarity of thought, and creativity. prepare students for rigours of graduate studies, as well as for careers in the industry. provide a balanced exposure to liberal arts. prepare students for effective oral and technical communication foster a sense of professional and ethical responsibilities.

Higher Secondary school certificate(Pre-Engineering) | Fazaia Intermediate College

Jun 2014 - Jun 2016

Physics, Chemistry and Mathematical Sciences, pre-engineer

Secondary school certificate | Fazaia intermediate college

Jun 2012 - Jun 2014

Physics,Chemistry ,biology ,mathematics English

Courses

Huawei Certified Network associate | Huawei

Jan 2020 - Jan 2023

Build web apps with ReactJS | OpenClassrooms

Learn Programming with JavaScript | OpenClassrooms

web scrapping and API Fundamentals in Python | 365 Data Science

Jun 2020

Django 2.x quiz Medium | SkillValue

Mar 2022

AWS Academy Graduate - AWS Academy Machine Learning Foundations | Amazon Web Services (AWS)

Jun 2022

IELTS - English Proficiency Exam | Cambridge University Press & Assessment English

Feb 2021

Python for Algorithmic Thinking: Problem-Solving Skills | LinkedIn

Jul 2023 - Oct 2023

Jenkins Essential Training | linkedin

Sep 2023 - Oct 2023

Languages

English *(Experienced)*

Links

github

Hobbies

playing cricket and playing instruments like guiatar , cooking food

Skills

React Native

Performance Optimization

Educational Technology

Problem Solving

Technical Leadership

Machine Learning

Python

Innovative Thinking

AI Integration

Tech Stack Development

Strategic Planning

Collaboration

API Development

Cloud Computing

Adaptability