Zain Shahid

CONTACTS

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SKILL PROFILE

Frontend: Dash, React/Typescript

Backend: AWS, MySQL, Docker

Analytics: Tableau, Grafana, Pandas

Programming: C, C++, Python, JS

CAD: Solidworks, Fusion360, Cura

Languages: English, Spanish, Urdu

INTERESTS

DIY, crafting and rock-climbing. enthusiast. I am passionate about spending time in nature and preserving the natural environment while knitting woolly jumpers

TESTIMONIAL

"I am a 25-year software veteran, and I hired Zain as a Data Engineer. During the time I managed Zain I was hugely impressed with his aptitude, speed of update and his can-do attitude. Zain is also highly professional, easy to work with and communicates very well with a variety of stakeholders. I am confident in stating that Zain is operating well beyond what his level of experience should indicate."

Peter Saffrey, Brilliant Planet

REFERENCES

Available upon request

PROFILE

"Data Engineer and Full Stack Developer with a proven track record of developing data management applications and solutions".
I am experienced in end-to-end application software development with a focus on the wrangling, cleaning, and maintaining of databases. With a passion for learning, I have developed skills across a wide breadth of technologies including cloud computing, Dash/React for frontend development and Python/C/C++ for data analysis and embedded systems. Through my PhD and career, I am comfortable in communicating findings with technical and non-technical stakeholders.

WORK EXPERIENCE

Data Engineer/Full Stack Developer | *Brilliant Planet* Present
I am currently working as a Data Engineer / Full Stack Developer at Brilliant Planet, a cleantech startup. I took ownership of an application stack to ingest, analyse and display complex and heterogeneous lab data. Working with data scientists and domain experts I prioritised and implemented features, deployed updates, and reviewed/refactored code for deployment. I also used and extended the AWS deployment based on CloudFormation and prototyped API access using Lambda/API Gateway.
Frontend: React/Typescript, Dash
Backend/Cloud/Database: AWS, MySQL, Docker, Gitlab CI/CD, Node, Python

Data Engineer/Analyst | *Eleven-I* June 2023
Eleven-I is responsible for creating embedded devices for wind turbine management and analysis. I was brought on during my PhD to develop data science and analytics protocols currently in place, to provide further insight into the performance of individual wind turbines.
Analytics: Tableau, Grafana, Python (Pandas, NumPy)
Core technologies: C, C++, Docker, Kubernetes

EDUCATION

PhD | *University of Salford* August 2023
I undertook a PhD at the University of Salford to pursue my interest in engineering applications in medicine. My project titled "Development of an industrial test platform for foot health devices" involved the creation of a robotic system and 3D printed human foot model to test prosthetic and orthotic foot products against clinical standards and provide a test solution for industry. Through this I gained significant experience in outlining a specification to meet the needs of stakeholders and align with cutting edge research, design, develop and validate a product and ultimately deliver a test package to be implemented in industry.
Data Processing and Analytics: Matlab, Python (Pandas)
CAD and Other: Solidworks, Cura, Vicon/Qualisys, Visual3D

BEng Mechatronic Engineering | *University of Manchester* September 2019
I completed my Bachelors of Mechatronic Engineering with an Industrial Placement at the University of Manchester and achieved a thorough education in the underlying theory, concepts, and science behind programming, robotics, and electronic engineering.
Embedded systems: C, C++, Machine code, Arduino, Raspberry Pi