

SAEED ARSHAD

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Summary

Senior/Lead Software Engineer with 7.5+ years building AI products across healthtech and edtech. Experienced across the full stack with Python, Django, and Angular, leading teams end to end and shipping LLM-powered features, analytics platforms, and multi-tenant SaaS.

Experience

Guided Ultrasonics Limited

Sep 2025 – Present

Senior Frontend Engineer (Consultant)

Remote

- Sole frontend engineer building Edge Node, a pipeline integrity monitoring platform, from scratch in Angular 21 with standalone components, signals, PrimeNG, and Tailwind.
- Built coordinated multi-chart analytics with Highcharts, including position-by-date heatmaps, pipe schematics, and cross-chart synchronisation so a single click aligns every linked chart for fast signal triangulation.
- Implemented role-based access control across navigation, inline controls, and downloads, backed by a permission matrix for fine-grained role tuning.
- Delivered an offline-aware interactive sensor location map with ArcGIS, lazy-loaded and rendered only when online.
- Built the full administration suite: hierarchical asset CRUD, data validation workflows, chaining analysis, and user and role management.

Ignis Health

Jan 2019 – Present

Team Lead / Senior Software Engineer

Remote

- Lead the engineering team end to end, owning the full delivery cycle from client meetings and feature planning through development and code review.
- Developed an end-to-end AI support agent that answers from the company knowledge base, with tools built on Claude tool calling to perform read and write actions against the database.
- Applied AI extensively across the product to improve the user experience and give users deeper, actionable insights.
- Built admin dashboards that surface each customer's AI usage and their users' interactions with the AI.
- Connected Sentry, Jira, and GitHub to Claude through MCP to automate development and bug-fixing workflows.
- Built a dynamic Angular editor that lets users reconfigure and live-preview the interface from within the app and save configurations.
- Integrated Google Analytics, Mailchimp, Stripe, and Klaviyo, driving a 25% increase in customer retention and 40% higher transactional efficiency.

Medi Know

Dec 2024 – Aug 2025

Senior Software Engineer, Python/Django/Angular (Consultant)

Remote

- Senior full-stack developer on an education platform for medical students in Germany, working directly with the doctor-founders to shape and implement requirements.
- Built a quiz system to make learning fun, with quizzes generated automatically from topics and articles using AI.
- Introduced a dual quiz mode where two users compete on the same questions by taking turns.
- Introduced level-based learning plans that guide users through the exam syllabus one topic at a time, unlocking the next only once each topic is cleared.
- Developed a fully customisable learning path where users pick their topics, target timeline, and daily and weekly availability to generate a tailored plan, with periodic quizzes to keep them on track for exams.
- Built B2B licensing features that enabled efficient management for business clients, and optimized Django queriesets to improve database efficiency and system performance.

Nomor AB (Now Rentokil)

Jul 2021 – Aug 2023

Senior Software Engineer, Angular (Consultant)

Remote

- Designed and implemented a dynamic statistics module using Highcharts for compelling, insightful data visualization.
- Led an upgrade of the product to the latest Angular version to keep it current and maintainable.
- Built administration modules essential for product management and user control.
- Improved responsiveness and usability across devices, including mobile.

Education

National University of Computer and Emerging Sciences

09/2020 – 12/2022

Master of Science in Data Science

Lahore, Pakistan

National University of Computer and Emerging Sciences

08/2014 – 01/2019

Bachelor of Science in Computer Science

Lahore, Pakistan

Projects

Edge Node | *Angular 21, Highcharts, PrimeNG, ArcGIS, RBAC* **2025 – Present**

- Platform that visualises guided-wave ultrasonic sensor data for pipeline corrosion monitoring, built solo from scratch.
- Delivered position-by-date heatmaps, pipe schematics with cross-chart sync, an offline-aware GIS location map, threshold-driven analytical charts, and a full RBAC-gated administration suite.

MediKnow | *Django, AI, Stripe, Elasticsearch, AWS S3* **2024 – 2025**

- Education platform for medical students with AI-generated quizzes, dual competitive quiz mode, and customisable level-based learning paths.
- Built B2B licensing and search backed by Elasticsearch, with media handled through AWS S3.

Telehealth Service Implementation Model | *Angular, Django, AWS, Celery* **2019 – Present**

- SaaS application for telehealth service management with setup frameworks, scoping roadmaps, and operational CRM for engagement across all sites.
- Introduced multi-tenancy for 10+ clients in a single application and integrated ChatGPT-Turbo3.5 for automated summaries of service notes.

AI-Powered Chatbot Widget | *AI, RAG, Multi-model, Knowledge Base* **2024 – Present**

- Embeddable chatbot widget that answers from a company knowledge base using retrieval-augmented generation across multiple models.
- Built tools on Claude tool calling to perform read and write actions against the database from within the conversation.

Technical Skills

Languages: Python, JavaScript, TypeScript, HTML/CSS, SQL, Postgres

Frameworks: Django, DRF, Angular, ReactJs, NodeJs, Tailwind, PrimeNG

AI & Data: LLMs, Claude tool calling, MCP, RAG, Highcharts, Elasticsearch

Cloud & Tools: AWS, AWS S3, Celery, Sentry, Git, Jira, VS Code, PyCharm, WebStorm