

# Usama Nawaz

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## Senior Software Engineer / Technical Lead

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### SUMMARY

- A results-driven full-stack developer and Technical LEader with 8+ years of experience in backend, frontend, infrastructure, database technologies, and Team Management.
- Continuously staying updated with the latest tech trends and leveraging modern programming tools to deliver scalable and efficient solutions.
- Skilled in bridging technical requirements and user needs, delivering solutions that are functional, user-centric, and solve complex problems efficiently.
- Self-driven, thriving in fast-paced environments, with the ability to work independently or collaboratively, while constantly expanding knowledge and skills.
- Proven leader, fostering a positive work environment while managing projects successfully and empowering team members to excel.

### EXPERIENCE

#### Sr. Software Engineer / Technical Lead, Decklaration (Lahore, Pakistan)

10/2021 - Present

- Formed and led a team of 15 backend (Python, Node, WordPress) and frontend (Angular, React) developers with responsibilities in interviewing, training, and mentoring.
- Set up paradigms, best practices, and overall application architecture for client projects.
- Reviewed code across the team to maintain high standards of code quality.

#### Medtigo (Team Lead & Full Stack Developer)

- Led a team of 7 developers using WordPress, NodeJS, PowerBI, React Native, Unity, Zoho CRM, and ReactJS for full-cycle product development.
- Took over the Medtigo project within 3 days of a team member's departure, ensuring no disruption in development.
- Acted as the liaison between the client, product manager, and development team, gathering feedback, refining the backlog, and aligning on features.
- Delivered a web and mobile app featuring:
  - Learning Management System (LMS), certificate management system, marketplace, and 3D learning platform.
  - Admin dashboard for hospitals to monitor doctor certifications.
  - Automated reminders for doctors with expiring certifications.
  - 3D training module with payment integration.
- Worked as a Full Stack Developer using ReactJS, React Native, and NodeJS.
- Scaled the user base from 70,000 to 500,000 in 7 months, leading to successful handover to the client's operations team.

### ***Merge Music (Team Lead & Full Stack Developer)***

- Contributed to product discovery and worked as a Full Stack Developer using Python and ReactJS.
- Integrated major streaming services (Spotify, Apple Music, SoundCloud) into the platform.
- Developed key UI functionalities including music streaming, playback/resume features, and enhanced user experience.
- The project was discontinued due to funding but successfully implemented several key features prior to shutdown.

### ***Luminary Health (Team Lead & Full Stack Developer)***

- Led the project from discovery to full-scale development, finalizing architecture and building the platform using Python (Django) and ReactJS.
- Managed a team of 4 developers for end-to-end development.
- Developed an automated system to process DNA test reports, replacing manual Excel-based processes.
- Built a desktop service to collect reports from scanners, compile 100+ page reports, and enable doctor verification before delivery.
- Delivered interactive reports via PDFs and weblinks.
- Improved client efficiency by 15x, increasing daily report generation from 3 to 50.

### ***Technical Sales Consultant***

- Collaborated with the Sales team, assisting clients in product discovery, architecture design, third-party integrations, and project cost estimation.
- Helped the team secure 3x more projects by refining the product discovery process and creating detailed project plans.

### ***Sr. Software Engineer (Team Lead), ASUS Tech (Lahore, Pakistan)***

04/2019 - 10/2021

### ***Hodos (Team Lead & Full Stack Developer)***

- Led the development of an integrated social media platform supporting Facebook, Twitter, and Instagram.
- Implemented user analytics by fetching past 6 months of social media interactions and notifying users about new comments or interactions.
- Visualized analytics using Highcharts in an AngularJS-based front end.
- Managed backend development using Python.
- The project faced setbacks due to changes in Facebook's policies affecting integration with Instagram and Facebook.

### ***Voxiness (Backend Engineer)***

- Developed key Natural Language Processing (NLP) models using the RASA framework, providing an alternative to traditional IVR systems for appointment scheduling.
- Implemented booking, rescheduling, and cancellation via a chatbot interface.
- Designed a system to identify returning users and prompt OTP or contact number verification before continuing the conversation.
- Onboarded 30 small clinics within the first month of operation.

### ***Power Company Project (Frontend Developer)***

- Built user interfaces based on Figma designs using ReactJS.
- Integrated APIs and enhanced data visualization with Highcharts in a ReactJS front end.
- Delivered a clean and responsive UI while working closely with designers and backend teams.

### ***Software Engineer, Fiverivers Technologies (Lahore, Pakistan)***

11/2016 - 06/2019

### ***Spring Boot Project (Java Developer)***

- Developed a Backend solution using Spring Boot as a Java Developer.
- Completed the project in 3 months, delivering a scalable and efficient backend solution.

### ***Tweet Sentiment Analysis System (Collaborated with CEO)***

- Designed and developed a real-time sentiment analysis system for the U.S. and French elections.
- Scraped Twitter data using Python and implemented RASA NLU for sentiment analysis using Princeton WordNet.
- Created a real-time data visualization system using Socket.io, showing live tweet analysis results.
- The project was a notable success, earning appreciation from the CEO for its innovative approach and real-time capabilities.

### ***Predictive System (Team Lead & Full Stack Developer)***

- Led a team of 3 developers in building a predictive system with a Python backend and Angular 2 frontend.
- Collaborated with an offshore team in the USA to clarify requirements and deliver on project goals.
- Worked on GCP optimization by deploying the solution with Docker Engine, improving scalability and performance.
- Managed the project lifecycle over 16 months, providing accurate user predictions.

### ***PDF Parsing and Text Analysis for Aerospace Client (Team Member)***

- Developed a system to parse large PDF documents into JSON format for efficient querying.
- Stored and indexed documents using Solr, allowing users to search and be directed to specific pages within large PDFs.
- Successfully delivered the solution to a major aerospace client, significantly improving their documentation search capabilities.

### ***Associate Database Administrator, i2c Inc. (Lahore, Pakistan)***

12/2015 - 11/2016

- Wrote complex queries for banking systems.
- Optimized problematic queries from production and maintained backups.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript (React, React-Native, Node.js, Angular, AngularJS, Vue.js), Java

**Frameworks & Libraries:** Django, Flask, React, React-Native, Angular, AngularJS, Vue.js, Rasa, Rasa Core, NLTK

**Databases:** MySQL, PostgreSQL, MS SQL, MongoDB, Firebase, Informix

**Cloud Platforms:** AWS, GCP

**DevOps Tools:** Docker

**Web Development:** WordPress

**Data Tools:** PowerBI

**Scripting:** Bash, PowerShell

## SOFT SKILLS

Product Development, DevOps Engineering, Software Development, Data Pipelines, Requirement Gathering, Stakeholder Management, Team Collaboration, Problem-Solving, Communication

## EDUCATION

- Bachelor's in Computer Science (BSCS), Govt. College University, Lahore, Pakistan. 2011 – 2015
- M.Phil in Computer Science, Punjab University College of IT, Lahore, Pakistan. 2015 – 2017