Usama Nawaz

# 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

* Wrote high-quality code to meet team goals.
* Collaborated with clients to clarify requirements and designed agile sprints accordingly.
* Wrote unit tests and conducted code reviews to maintain product quality.

### 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