

WASIB ILYAS

Technical Lead with 4+ years of expertise in software engineering and IT solutions.

[in LinkedIn](#) | [+971-\(0\)52-646 6008](#) | [Portfolio Website](#) | [wasibilyas786@gmail.com](#) | [GitHub](#)

Technical Skills

- **Programming:** HTML, CSS, JavaScript, TypeScript, React JS, Next JS, Node JS, Express JS, Python.
- **Databases:** NoSQL, PostgreSQL, MongoDB, Firebase.
- **Tools and Platforms:** AWS, Vercel, Git/GitHub, BitBucket, Jira, Trello, Zoho Sprints.
- **Other:** Machine Learning, GraphQL, REST API, System Design, Product Design, Product Testing.
- **Languages:** English (Professional Proficiency), Hindi (Professional Proficiency), Arabic (Professional Proficiency).

Experience

Technical Project Lead

Twaddan LLC

Umm Al Quwain, UAE 08/2024 - Current

- Led the end-to-end development and launch of iOS and Android mobile apps, boosting customer engagement by **40%** while enhancing service delivery and user experience.
- Designed and implemented a **pricing algorithm** to calculate service charges and delivery fees, increasing revenue by **45%** through optimized pricing strategies.
- Collaborated with teams to design user-friendly interfaces, integrating AI-driven features to enhance user engagement and accessibility.
- Drove revenue growth by **126%**, leveraging strategic project execution and enhanced service offerings (May–December 2024).
- Optimized Agile workflows by implementing bi-weekly sprint reviews, increasing development velocity by **25%** and reducing bug fixes by **15%**.
- Facilitated meetings with the CEO to discuss project timelines, deliverables, and funding strategies, contributing to the company's growth initiatives.

Senior IT Engineer

UAQ Next LLC

Umm Al Quwain, UAE 05/2023 - Current

- Managed clients' projects, ensuring websites met client requirements, coordinating with developers, and ensuring projects were completed on time.
- Managed procurement of IT assets worth **AED 188K** annually, including CCTV systems, cloud servers, and email services, ensuring 100% on-time delivery and adherence to budget.
- Oversaw installation, configuration, and maintenance of CCTV systems and IT infrastructure for sister companies and clients, ensuring compliance standards and operational efficiency.

IT Support Engineer - L1

Dotcom IT Solutions

Umm Al Quwain, UAE 09/2023 - 04/2024

- Responsible for installation of **SQL server** software on client systems and ensured its proper functioning over time, which involves tasks like updates, backups, and security measures to maintain data integrity. Also provided remote support through **TeamViewer** and **AnyDesk**.
- Redesigned website interfaces using CSS, HTML, and JavaScript, achieving a **39% improvement** in site performance and load time.
- Provided end-to-end client support, including data recovery, network setups, and system configurations (ZKTeco, CCTV, NVR/DVR systems).

Software Engineer

Upwork

Remote, UAE 02/2023 - 12/2023

- Developed a **Patient Management System** for a client in Germany, using technologies such as React.js, Material UI, and React Hooks for the frontend, and Express.js, Node.js, PostgreSQL, and Prisma for the backend.
- Optimized a Python-based GUI application, deploying it on Vercel and boosting performance by **50%** for seamless, reliable user access.

Software Engineer

INTECH Process Automation

Lahore, Pakistan 06/2022 - 04/2023

- Developed frontend features for the FOMS (*Field Operations Management System*) product, enhancing user interface and experience.
- Implemented a new feature to log user login timings using IPv4 and restricted multiple simultaneous logins, **resulting in a 25% reduction** in security breaches.
- Integrated React Charts and MUI charts for interactive work order and pending status visuals, boosting data visualization by 30%. Also, it has enhanced productivity by 20% with grid features and multiple file uploads.
- Implemented a data-perceiving feature to the application, improving data analysis capabilities by 35% and aiding in decision-making processes.

Research Assistant - NLP

Sabz-Qalam

Lahore, Pakistan 01/2022 - 08/2022

- Served as a research assistant under [Dr. Bilal Wajid](#), leading a team of 4 groups on the project "Client Verification System using Urdu Signatures and Audio."
- Applied state-of-the-art feature extraction methods (VGG16, Inception-v3, ResNet-50, Xception) for NLP-related tasks, focusing on enhancing model performance and accuracy in processing Urdu signatures and audio.
- Applied advanced classification algorithms (e.g., Logistic Regression, Random Forest, SVMs), achieving a remarkable accuracy rate of 87.8%.

Research Engineer - NLP

Center of Language Engineering. CLE

Lahore, Pakistan 05/2021 - 10/2021

- Contributed to two industrial projects: **Automatic Pakistani Postal Address Recognition and Parcel Routing** (in collaboration with TCS Pvt. Ltd) and **Automated Urdu Broadcast Media Content Extraction and Analytics** (in collaboration with Desider Pvt. Ltd and PEMRA).
- Developed and deployed NLP models using supervised and unsupervised learning, including k-means clustering, to automate Pakistani postal address recognition and Urdu media content analytics.
- Designed and implemented OCR systems with Tesseract and annotated large datasets for NLP tasks using VoTT, facilitating accurate extraction and categorization of Urdu text data.
- Developed project components using Java and Python, focusing on real-world applications of data extraction, processing, and analysis.

Education

Bachelors of Engineering (B.Sc)

Lahore, Pakistan 09/2018 - 08/2022

- [University of Engineering and Technology \(UET\), Lahore](#) - Major in Computer Science and Electrical Engineering

Projects

- **Signature Verification using Deep Learning and Classification Models (Research Project):**
 - a. Collected and curated a dataset of 700+ student signatures to create a robust signature verification model.
 - b. Developed 16 deep learning models using four CNN architectures (VGG16, Inception-v3, ResNet-50, Xception) for feature extraction from signature images.
 - c. Optimized model performance with various optimizers, including SGD, RMSprop, Adagrad, and Adam, to achieve optimal accuracy.
 - d. Implemented and compared multiple classification methods, such as Logistic Regression, Random Forest, and SVM (Linear, RBF, Sigmoid, Poly), to distinguish between real and forged signatures.
 - e. Achieved significant **accuracy 87.8%**, demonstrating the reliability of the model for real-world signature verification.
- **Field Operations Management System (FOMS):**
 - a. Developed and optimized user interfaces using React.js, Node.js, Tailwind CSS and GraphQL to enhance user experience and real-time data interaction.
 - b. Implemented a session timeout feature to manage multiple logins with the same user ID, utilizing browser session cookies to improve security and user management.
 - c. Worked on the Supervisor Dispatch flow and document upload flow, enabling efficient task management and streamlined document handling.
- **Portfolio Website(wasibilyas.com):** Designed and developed the user interface of the website using React.js, Tailwind CSS, and Email.js.
- **Payment Gateway Website:** Implemented a scalable and user-friendly interface for the Hoobank Payment Gateway using Tailwind CSS, React.js, and Node.js, with efficient deployment on Vercel.

Certifications/Visa

- Employment Visa, Valid Till - **Oct 2026**
- IELTS (English Proficiency Test) - **B2+** ↗
- Machine Learning with Python - **IBM** ↗
- Data Analysis with Python - **IBM** ↗
- Data Science Methodology - **IBM** ↗
- Pakistan Engineering Council License - **PEC** ↗
- AWS Machine Learning Foundation - **AWS** ↗
- Python Data Structure - **University of Michigan** ↗
- Programming with Python - **University of Michigan** ↗
- Development using Django - **Great Learning** ↗