

Umais Jibran

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Peshawar, Khyber Pakhtunkhwa, Pakistan

PROFESSIONAL SUMMARY

Highly motivated Full Stack Engineer with over four years of experience in full-stack development. Proven track record of success in delivering high-quality, secure software solutions. A key contributor to Pakistan's First e-identity solution, able to support millions of concurrent users with 95% code coverage and zero security incidents reported. With a strong work ethic and adaptability to new technologies, I am committed to continuous learning and growth. Passionate about secure and innovative software development. I am seeking to enhance my skills further and earn cloud certifications.

Projects

Tech Lead

February 2024–Present

[Afterwork](#) (under [Productbox](#))

Silicon Valley, USA (remote)

- Designed backend architecture.
- Arrange Backlog grooming events, to keep the backlog clean and up to date with the current state of the project, the backlog grooming events in the project improved task completion rates by 50% and reduced project delays by 35%.
- Met fortnightly with the clients with agenda to make sure they were satisfied with the work being developed by the team, and to discuss the future of the project. During these meetings, some features were sent back to the drawing board, while other suggestions I made were accepted positively by the clients, enhancing their satisfaction and the project's direction.
- Made sure deadlines were met, and the spillovers were none to minimum.
- **Stress Tested** the servers for 2.5x more than the anticipated users, to make sure we are ready for what may come.

Tech Lead & Full Stack Engineer

November 2023–July 2024

[Upptik](#) (under [Productbox](#))

New York, USA (remote)

- Extensive meetings with the clients to help clear the project requirement and help assist the UI/UX resource in the initial wireframes and mock-ups of the idea.

- Opted in for **TypeScript** in favour of **JavaScript** for its sound types support, reducing runtime errors to almost zero and significantly improving code reliability.
- Developed a full fledge community similar to social feeds.
- Experiment **AWS' CHIME** and **Twilio** for real-time audio/video/chat communication, due to some limitation of our use case opted in for integration with **Zoom** and **Firestore** for streamlined flow of communication.
- For longer running processes, delegated those tasks to other servers using **RabbitMQ**.
- For caching, made use of **Redis** for low response time between the client and servers and prevent server from bloating with request for same data.
- For scheduled and dispatching reminders, **AWS' Eventbridge** turned out to be a useful tool.
- Made sure the **architecture** was able to support a significant number of users.
- Arrange **Backlog grooming** events, to keep the backlog clean and up to date with the current state of the project, The backlog grooming events in the project improved task completion rates by 90% and reduced project delays by over 75%, enhancing overall team performance and project progress.
- Made sure deadlines were met, and the **spillovers were none to minimum**.

Full Stack Engineer

June 2022–October 2024

[merald](#) (under [Productbox](#))

Peshawar, Pakistan

- What started off with just a simple cross-platform mobile app swiftly turned into **E2E encrypted** using **RSA-2048 + AES 256** to full fledge on **facial recognition** in ~6 month tenure as dedicated mobile developer.
- Created **serverless** functions to serve as APIs as well as being invoked in the result of a specific action, all the while keeping the bank grade security between transactions.
- Robustness and scale was at the core of the development cycle for that we decided to chose **AWS' DynamoDB** for it's single digit ms latency with **lambda**. Designing the data models to serve our purpose to it's fullest while making sure it's not dependent on other rows. **Sharding** the database to optimise the results.
- Made use of **AWS' Rekognition** and **AWS' Textract** for user recognition and matching it against our image database, as well as recording the user's ID from their provided cards.
- Followed the **TDD** principles while ensuring that the code coverage never dropped below 95%, used **Jest** for writing test cases.
- Peer reviewed each other's pull requests to make sure each developer is aware of what is going on in the project, while maintaining the same code practices.
- Leverage **AWS' SQS** and **AWS' SNS** to trigger events for longer process without blocking our running servers or functions, and to establish communication between the both.

- **Developed a developer friendly SDK** to be used by other services and companies integrating with meralD.
- Created supporting Applications and Proof of Concepts projects for demo to showcase the different use cases of the clients.
- Made use of **GitHub Actions** for simple **CI/CD** while the things were simple, but eventually had to replace them with 3rd party managed services.
- For Independent services, made use of **Docker** and **Kubernetes** to keep them scaled.

Full Stack Developer

May 2021–June 2021

[Mavencery](#) (under [Productbox](#))

California, USA (remote)

- Created **APIs** for multiple clients including Android, iOS, Web, and POS applications with an uptime of 99.99% and handling 70–80 requests per second.
- Helped assisted in the mobile applications for gathering user's **Geo Location** data while **calculating the distance** between customers and stores on the server, to help users redirect to the store nearest to them for self pick-up.
- Developed the store owner dashboard to help them keep track of their store, and request refill of items when needed.
- Generated **notifications via email** when the item stock was below the specified amount provided by the store owner. Every email notification successfully prompted the store owner to refill the stocks, enhancing inventory management efficiency.

Backend Developer

March 2021–May 2021

[MondoQ](#)

Koblenz, Germany (remote)

- Led the creation of MondoQ, an innovative CMS dashboard engineered for streamlined parts management in the shipping domain, centred in Koblenz.
- Worked exclusively on the backend and **DevOps**, focusing on optimizing data processing and system operations.
- Executed the project using **JavaScript**, particularly leveraging the power of **Node.js** to infuse agility and robust functionality into the system.
- Leveraged **sequelize** as the ORM (Object-Relational Mapping) tool, enabling efficient interaction with the database and ensuring data integrity.
- Built a scalable, performant backend with **Express**, emphasizing a well-structured, efficient server.
- Integrated **Multer** for handling file uploads, demonstrating a distinct understanding of data management, particularly in handling diverse data types within the system.
- Implemented **Joi** for data validation, ensuring accurate and reliable information processing.

- Developed a comprehensive **logging system**, storing logs for every action performed within the system, providing a transparent and traceable record of activities.
- Collaborated closely with a local **German cloud provider**, navigating their infrastructure intricacies for heightened system performance and reliability.

Full Stack Developer

November 2020–March 2021

Drive Safe Medicals

Manchester, UK (remote)

- Orchestrated the development of a **driver medical booking system** tailored for the UK, actively contributing to both backend and frontend components.
- Crafted a responsive and user-friendly admin portal using **ReactJS**, showcasing a contemporary approach to front-end development.
- Engineered the client-side functionalities with **Vanilla JS, HTML, and CSS**, ensuring an intuitive user interface that prioritizes user experience.
- Implemented **TypeScript** in the backend, harnessing the power of **Firebase Firestore, Firebase Auth, and Firebase Functions** for robust data management, secure user authentication, and server-side logic.
- Integrated **Stripe** as the payment gateway, fortifying financial transactions with a seamless and secure payment solution.

Junior Mobile Application Developer

August 2020–November 2020

Ideometrix

Islamabad, Pakistan (remote)

- Utilized the MVVM (Model-View-ViewModel) architecture or MVC (Model-View-Controller) architecture to structure and organize the codebase, separating concerns, improving code maintainability, and facilitating future updates and modifications.
- Integrated Firebase services (**Firestore, Authentication, Storage, and Cloud Messaging**) to enhance the functionality and user experience of the Flutter application.
- Utilized local storage mechanisms such as **SQLite** or shared preferences to store and manage persistent data within the Mobile apps.
- Integrated third-party APIs (e.g., payment gateways, and social media platforms) into the Flutter application, enabling seamless communication and data exchange between the app and external services.

INDUSTRY SKILLS

Technologies: Node.js, Serverless, RESTful APIs, Frontend Frameworks (ReactJS, NEXT, Vue, HTML, CSS, Vanilla JS, Bootstrap, TailwindCSS, AlpineJS), Flutter, JEST, Dart, PHP, C++, RUST, Go, Socket.io, Sequelize,

Databases: MySQL, DynamoDB, Firebase Firestore, MongoDB, ScyllaDB, CassandraDB

Cloud Infrastructure: AWS

Testing and Quality Assurance: Unit Testing, Integration Testing, Mocha, Chai, End to end-to-end testing

Supporting Tools: Figma, Adobe XD, Git, GitHub, Swagger, WordPress, GitHub Actions, GitHub Copilot, ChatGPT

VOLUNTEER WORK

Student Ambassador

Aug 2020–Dec 2021

[Microsoft](#)

Peshawar, Pakistan

As a Microsoft Student Ambassador, I achieved the following:

- Spearheaded the promotion and adoption of Azure tools among university students for projects and startups means that I was responsible for leading the effort to make Azure tools more well-known and used by university students for their projects and startups. This involved creating and implementing marketing and outreach campaigns, developing educational materials, and providing technical support. I also worked with university administrators and faculty to develop programs and initiatives that would encourage students to use Azure tools.
- As a result of my work, Azure tools became more widely used by university students for their projects and startups. This led to increased innovation and entrepreneurship among students, as well as a stronger pipeline of talent for the tech industry.
- I facilitated impactful workshops on GitHub and Cloud Computing, empowering students with practical cloud skills. I taught students how to use GitHub to collaborate on code projects and how to use cloud computing services to store and process data. I also provided students with hands-on experience using these technologies through a series of exercises and projects. The workshops were well-received by students, who reported that they learned a lot and felt more confident in their ability to use these technologies.

Tech Consultant

Aug 2022–Present

[Tameer Foundation Pakistan](#)

Peshawar, Pakistan

- Leading innovative technological initiatives at Tameer Foundation, ushering the organization into a new era of digital excellence.
- Developing creative solutions that transcend conventional boundaries, fosters a culture of continuous innovation within the organization.
- Shaping the foundation's digital identity through cutting-edge WordPress solutions, with a focus on creating a distinctive online presence that reflects its mission and engages a diverse audience.

- Integrating strategic tech consultancy with hands-on involvement in field projects to optimize limited manpower resources and enhance operational efficiency.
 - Actively participating in on-site implementation of tech solutions to address real-world challenges and contribute to the foundation's success.
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Education

Bachelor of Science (Computer Science)	2017–2021
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City University of Science & Information Technology	Peshawar, Pakistan
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Diploma of Information Technology	2016–2017
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Aptech Institute	Peshawar, Pakistan
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Diploma of Associate Engineering (Civil)	2013–2016
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Govt. Polytechnic Institute	Peshawar, Pakistan
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