Aimen Munawar

Software Engineer | QA Engineer

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PROFESSIONAL SUMMARY_____

Versatile and detail-oriented Software Engineer with hands-on experience in project management, full-stack development, and software quality assurance. Successfully led and contributed to multiple real-world projects, overseeing planning, development, and delivery cycles. Skilled in manual and automated testing using tools like Playwright, Jest, and Postman. Proven ability to bridge communication between technical teams and stakeholders, ensuring timely delivery of high-quality software. Passionate about building scalable systems and maintaining software reliability through thorough testing and continuous improvement.

SKILLS _____

Languages _Proficient_ JavaScript(2yrs) _Intermediate_ SQL(1yr) · C++(1yr) · PHP(<1yrs)

Development Tools & Frameworks React (2yrs) · Node.js(2yrs) · MongoDB(2yrs) · Typescript · Tailwind CSS · Laravel · GCP · Git

Testing Tools & Frameworks Manual Testing · Jest · Playwright · Selenium · Cypress · Postman

Soft Skills Strong Analytical & Problem-Solving Skills · Attention to Detail · Collaboration & Teamwork · Effective Communication

EXPERIENCE _____

OCTALOOP TECHNOLOGIES *Islamabad, Pakistan*
JUNIOR TECHNICAL PROJECT MANAGEMENT INTERN *12th May 2025 - Present*

- Contributed to the end-to-end development, testing, and management of full-stack web applications, collaborating closely with both development teams and international clients.
- Integrated critical third-party services such as Plaid for secure financial data handling and Stripe for payment processing, ensuring functional and secure transaction flows.
- Conducted comprehensive manual testing across all modules, including authentication, dashboard analytics, third-party integrations, and payment workflows.
- Participated in sprint planning sessions, coordinated timelines, and ensured project milestones were met through effective client communication via Gmail, Google Workspace, and standups.

BLOOMRIX *Lahore, Pakistan (Remote)*
SOFTWARE ENGINEERING INTERN *6th August 2024 - 6th November 2024*

- Contributed to the development and testing of multiple projects, including a responsive e-commerce website and a weather application, using JavaScript, React, and Strapi.
- Focused extensively on manual testing by exploring user flows, verifying functionality.
- Used Postman extensively to test REST APIs, validating response codes, payloads, and error handling for endpoints related to user login, product retrieval, and form submissions.

DPL *Islamabad, Pakistan*
SOFTWARE ENGINEERING INTERN *3rd June 2024 - 14th June 2024*

- Developed a multi-tenant file management system with AWS S3 integration, implementing secure user registration, login, and profile management features.
- Conducted thorough manual testing to validate core user flows, including account creation, secure login, session handling, and file upload/download functionality.
- Ensured seamless integration with AWS S3 by testing upload/download speed, file type compatibility, and error handling for failed uploads.

MICROSOFT LEARN STUDENT AMBASSADOR *Islamabad, Pakistan*
MICROSOFT *October 2023 - October 2024*

- Actively served as a Microsoft Learn Student Ambassador from October 2023, engaged with peers globally, promoted Microsoft Learn resources, and represented Microsoft technologies on campus.

NUST ACM STUDENT CHAPTER I SEECS, NUST H12 *Islamabad, Pakistan*
TEAM LEAD SOCIAL MEDIA MARKETING *September 2023 - September 2024*

- Leading the implementation of social media strategies aimed at boosting engagement and presence for ACM NUST online platforms.

GOOGLE DEVELOPER STUDENT CLUB I SEECS, NUST H12 *Islamabad, Pakistan*
TEAM LEAD SOCIAL MEDIA MARKETING *November 2023 - November 2024*

- Implemented innovative social media strategies to amplify online presence and engagement for the Google Developer Student Club (GDSC), contributing to its global recognition and impact.

MCKINSEY FORWARD PROGRAM *Islamabad, Pakistan*
MCKINSEY & COMPANY *May 2022 - May 2023*

- Successfully completed McKinsey's Forward Program, a prestigious global learning experience designed to equip early-career professionals with essential workplace and leadership skills.

- Participated in interactive sessions and peer discussions, enhancing critical thinking and the ability to break down complex challenges into actionable steps.
- Earned the official McKinsey Forward digital badge and joined a global community of learners committed to continuous personal and professional growth.

PROJECTS _____

File Management System *(~150+ hours)*   *3rd June 2024 - 14th June 2024*
- Developed a multi-tenant file management system resembling Google Drive, implementing secure user authentication and role-based access.
- Designed and integrated front-end components using React with Tailwind CSS and Redux Thunk, ensuring a responsive and user-friendly interface.
- Implemented backend functionalities with Node.js and Express.js, including user registration, login, and profile management, using MongoDB for data storage.
- Configured AWS S3 for file storage, enabling efficient file upload, retrieval, and management features, and documented API endpoints using Postman.
- Verified UI consistency, authentication flows, and file management functionalities by manually interacting with the application.

Vynx – Microservices-Based Video Streaming Platform *(~200+ hours)*   *6th September 2024 - 30th December 2024*
- Developed Vynx, a short video streaming platform using microservices architecture, ensuring scalability and efficient resource management.
- Implemented secure user authentication with Firebase Authentication, enabling seamless login and registration.
- Designed and integrated front-end components using Next.js, and Tailwind CSS, ensuring a modern, responsive, and user-friendly interface.
- Utilized Cloudinary for video storage management, incorporating storage limits and real-time alerts for optimized resource usage.
- Developed backend functionalities using Dockerized microservices architecture on Google Cloud Platform (GCP) via Cloud Run, enhancing deployment scalability.
- Implemented bandwidth tracking and API request logging for monitoring system performance and usage analytics.
- Performed manual testing by navigating the site, testing video upload/playback, and verifying API responses.
- Documented issues related to UI responsiveness, media buffering, and authentication flows.

Craftsy – E-Commerce Platform for Handmade Goods *(~200+ hours)*   *6th September 2024 - 30th December 2024*
- Developed Craftsy, an e-commerce platform connecting rural women artisans with customers to sell handmade goods online.
- Designed and built a responsive front-end using React and Tailwind CSS, ensuring smooth user experience across all devices.
- Created an admin panel for managing products, orders, and tracking analytics like total revenue and units sold.
- Integrated automated email notifications and real-time inventory updates, ensuring smooth communication and accurate product availability.
- Performed unit, integration, and end-to-end (E2E) testing using Jest and Playwright to ensure application reliability and seamless functionality.
- Conducted regression and sanity testing to validate new features without breaking existing ones.

Project X – Student Marketplace for Academic & Research Projects *(~230+ hours)*   *6th April 2025 - 23rd May 2025*
- Developed a student-centric digital marketplace to showcase, share, and monetize academic projects
- Implemented core features including search/buy projects, automated email delivery upon purchase, admin contact system, and newsletter subscriptions.
- Ensured code reliability through unit and integration testing (Jest) and end-to-end (E2E) testing (Playwright) for critical user flows.
- Conducted load and stress testing of the site to optimize API response times and scalability under high traffic.
- Used Google WAVE extension to find accessibility issues in the site

CERTIFICATES _____

Complete Web and Mobile Designer in 2023: UI/UX, Figma, +more Complete Web and Mobile Designer in 2023: UI/UX, Figma, +more (Udemy)

Complete Web Development Course ZTM (Udemy)

The Complete JavaScript Course 2024 (Udemy)

Complete React Developer ZTM (Udemy)

EDUCATION _____

National University of Sciences & Technology (NUST) Bachelor of Software Engineering   *September 2022 to present*
RELEVANT COURSEWORK: Software Quality Assurance (Grade:A),Human Computer Interaction (Grade:A),Formal Methods (Grade:A)