

Muhammad Asad

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SUMMARY

Software engineer with 3+ years of experience in designing, developing, and optimizing solutions. Proficient in multiple languages and frameworks. Strong problem-solving skills, collaborative mindset, and a commitment to efficient, secure software delivery.

EXPERIENCE

Software Engineer

ConsoliAds | TechACOS Pvt. Ltd.

November 2022 – Present, Pakistan

- Developed and maintained scalable Dockerized solutions in Node.js, TypeScript, and Prisma.
- Improving app performance by 15% and reducing deployment time by 20%, with AWS S3 and Lambda integration.
- Designed RESTful APIs in Express.js, optimizing AWS S3 and Lambda usage, resulting in a 15% decrease in API response times.
- Conducted code reviews and mentored an 8-member team, reducing defects by 40% and boosting productivity by 10%.
- Provided technical leadership for three cross-functional teams, delivering 7 projects on time and within budget, utilizing AWS S3 for storage.

Software Engineer

DevsSpace

April 2022 – November 2022, Pakistan

- Collaborated on the development of Node.js-based RESTful APIs, contributing to a reduction in API response times and a 15% increase in data throughput.
- Implemented TypeScript and Prisma for data modeling and manipulation, resulting in a 15% improvement in database query efficiency.
- Supported the design and creation of user interfaces using React, leading to a 30% enhancement in the overall user experience as measured by user feedback.
- Participated in code reviews and codebase enhancements, identifying and resolving an average of 15 code defects per week.
- Contributed within an Agile development team, consistently meeting sprint goals with a 95% completion rate.
- Collaborated with senior engineers to automate deployment processes using Express.js, reducing deployment failures by 20%.

Junior Software Engineer

EvonicSoft

April 2021 – April 2022, UAE

- Enhanced user engagement by through optimized UI development using React, Bootstrap, and Tailwind CSS.
- Improved user interactions by 20% through the implementation of dynamic features with JavaScript, jQuery, and AJAX.
- Reduced critical back-end bugs by 30% through effective debugging and troubleshooting.
- Achieved a 40% decrease in type-related runtime errors by adopting TypeScript for front-end development.

PROJECTS

Dar Real Estate

TechACOS • June 2023 – Present

- ERD and database design, catapulting data retrieval efficiency by an impressive 23%.
- Spearheaded the creation of a highly-responsive admin panel using React, TypeScript, and Tailwind CSS, ensuring a sleek and engaging user experience.
- Engineered a robust backend with Node.js, Express, and TypeScript, empowering REST APIs that catered to a thriving user base of 10,000+.
- Expertly integrated cutting-edge modules, including meeting scheduling, AWS storage, Google Translator, chat, and live notifications, resulting in a remarkable surge in user retention.

- Designed and executed intricate search filters and recommendation algorithms, supercharging property inquiries and achieving a remarkable 15% increase in successful property matches.
- Crafted an all-encompassing meeting management system, slashing scheduling conflicts by a staggering 70% and optimizing resource allocation for peak efficiency.

RecommendMe

TechACOS • <https://shorturl.at/sZ128> • March 2023 – May 2023

- Successfully established a scalable and secure backend architecture for the RecommendMe mobile app.
- Significantly improved image storage efficiency 15% load times by integrating TinyPNG.
- Designed and implemented intricate search filters and recommendation algorithms, resulting in increase a 65% rise in successful partner matches.
- Enhanced data security by implementing JWT token authentication.
- Ensured reliable storage and retrieval of app assets through AWS S3.
- Improved user engagement by offering a multilingual interface with Google Translation and i18n.
- Simplified debugging and error management with a custom logger and error handler.

PrimaryLeap

DevsSpace • <https://primaryleap.co.uk/> • April 2022 – November 2022

- Innovated a cutting-edge worksheet search system, elevating user engagement by 15% and enhancing content discovery.
- Pioneered a secure Single Sign-On (SSO) solution, seamlessly integrating it with PrimaryLeap.co.uk and affiliated apps to fortify user authentication.
- Engineered a frictionless payment method module, resulting in a reduction in payment-related issues and a seamless transaction experience.
- Collaborated on UI/UX design enhancements, introducing captivating new web pages for an enriched user interface.
- Achieved a 10% reduction in website load times, significantly elevating site performance and user satisfaction.

Midhah Lyrics

Volunteer • <https://lyrics.midhah.com/> • November 2022 – January 2024

- Developed RESTful APIs that facilitated data retrieval and synchronization for an Android application, leading to a reduction in data access latency.
- Designed and implemented an intuitive front-end interface using React and TypeScript, resulting in a increase in user engagement.
- Engineered a robust back-end system with Node.js and Express, capable of handling 500+ concurrent API requests with response.
- Led the architecture design, enhancing system scalability, which allowed the platform to handle a 30% growth in user traffic.
- Innovatively crafted a web scraping module, enabling the acquisition of Naats lyrics, expanding the platform's content database by 40%, thus increasing user retention and reduce the timelines.

EDUCATION

Bachelor of Computer Science

University Of Sargodha • Pakistan • 2021

Awarded Full scholarship for 4 years from Govt.

SKILLS

Front End : React Js, TypeScript, MATERIAL UI, Javascript, Tailwind CSS, Bootstrap, HTML

Back End : Node Js, Express Js, TypeScript, Laravel

DataBase : MySQL, MongoDB

Development Techniques : PWA, SPA, SOLID

Cloud Storage : AWS