

# Muhammad Waleed

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## Professional Summary

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**Full Stack Software Engineer** with experience designing, developing, and maintaining scalable web applications. Skilled in writing clean, efficient code and focused on performance, reliability, and user experience. Proven ability to contribute across the stack and collaborate with cross-functional teams to deliver high-quality products.

## Education & certifications

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**National University of Sciences & Technology**

2020 – 2024

*BS in Computer Science*

- GPA: 3.72/4.00

**AWS Certified Cloud Practitioner**

## Experience

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**Full Stack Engineer**

*Islamabad, Pakistan*

*Vyro.ai*

*Mar 2024 – Current*

- Promoted to Frontend Lead for Chatly-Everask team after contributing to the development and launch of [Chatly Web](#), which powers 9M+ user requests per month and over 1M MAUs, which contributed \$2M+ in revenue.
- Led architecture improvements, optimized performance, and implemented cleaner coding patterns, ensuring scalability and maintainability across the codebase. Improved UX utilizing Next.js' render techniques.
- Spearheaded the frontend development of Chatly and Everask Web, implementing industry-standard practices best practices (Next.js, Shadcn UI, Zustand, TanStack React Query) and implemented the project's design system and base components for consistency and reusability.
- Developed a custom library to handle chat functionality with Large Language Models (LLMs), enabling real-time interactions and streaming data from the backend via server-sent events. Also wrote libraries for complex UI tasks, such as custom text parsing from LLM streams to render a specific component.
- Collaborated with Backend, ML, and Product teams to resolve production issues, ship new features, and enhance user experience.
- Contributed to [Imagine Web](#), where I helped refactor and optimize the project's architecture by creating reusable TypeScript and ESLint configuration and design-system packages for a Turborepo monorepo.
- Led code reviews, provided mentorship, and guided new hires, fostering a collaborative team environment.
- Conducted technical interviews playing a key role in hiring new engineers.

**Software Engineer Intern**

*Remote*

*Thinksoft*

*Mar 2023 - Jul 2023*

- Collaborated on the development of a no-code website builder using TypeScript, Next.js, and Tailwind-CSS, integrating CraftJS for the drag-and-drop editor functionality, and quickly adapted to the tech stack, leveraging ajv for JSON schema validation and SWR for efficient data fetching.
- Performed the migration of key dependencies, upgrading React Router and Material-UI v4 to v5, ensuring compatibility with new features.
- Integrated Firebase for real-time data synchronization and implemented custom token-based authentication. Rewrote a critical project component to optimize state and data management and created a migration script to efficiently convert existing state data stored in the database.

## Technologies

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**Languages:** TypeScript, JavaScript, Python, SQL, HTML/CSS, Java, C++, C

**Framework and libraries:** Next.js, Tailwind, Drizzle, Zod, Apollo Client, ExpressJs, NestJs, Tanstack Query, Shadcn UI, React-hook-form, Supabase, AWS, Docker, CI/CD