

# Muhammad Hassan Rafay Baig

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## SKILLS

Programming languages	• JavaScript	• TypeScript	• C#
Technologies	• React	• Next.js	• GraphQL
	• Redux Toolkit	• Context API	• Styled Components
	• Nodejs	• MongoDB	• REST APIs
	• AWS	• Jest	• Microservices
	• Tailwind CSS	• SEO	• Git
Soft Skills	• Teamwork	• Analytical Thinking	• Learning Agility
	• Problem-Solving	• Work Ownership	• Perseverance

## WORK EXPERIENCE

Software Engineer	June 2022 - Present
Keen Gmbh	Berlin, Germany

- Leveraging React.js and Tailwind CSS for ongoing projects, contributing to a 30% increase in user engagement.
- Demonstrated expertise in GraphQL reducing API response by 40%.
- Implemented Tailwind for UI components and multilingual support, resulting in a 20% increase in user engagement across diverse regions.
- Developed a modular, single-page web application in React that incorporated responsive design principles.
- Optimized application performance by 20%, reducing page load time and improving user experience.
- Created custom directives to manipulate DOM elements and extend the functionality of components.
- We developed an interactive data visualization dashboard using React.js and Tailwind CSS to display real-time data.

Software Engineer	Oct 2019 - April 2022
TPLEX	Karachi, Pakistan

- Engineered a real-time human development tool, adeptly handling a user base exceeding 2.5 million with consistent reliability even during peak traffic.
- Executed third-party OAuth2 integrations and Single Sign-On solutions, enhancing security measures and user experience.
- Established a robust framework for push notifications and web alerts, boosting user engagement by 30%.
- Enlisted ORM (EF) and Micro-ORM (Dapper) for adept data orchestration.

- Developed a custom feature flag module to manage feature deployment across 5 teams, handle 5+ features at a time, and ensure project stability.

### Junior Software Engineer

Mar 2018 - Sept 2019

Next Generation e-Solutions

Karachi, Pakistan

- Developed and delivered 3 successful projects using ASP.NET MVC and MS SQL, with a focus on scalability and performance.
- Employed jQuery and Angular IO for lively frontend experiences.
- Executed payroll, accounts, and inventory modules with precision, reducing processing time by 50%.

## EDUCATION

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### Sir Syed University of Engineering & Technology

Karachi, Pakistan

B.Sc. of Computer Sciences

Jan 2014 - Feb 2018

## PERSONAL PROJECTS

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- **Rhithm**: Developed the Rhithm App from scratch in 2019, which now boasts a user base of 2.5 million and supports over 200,000 concurrent users. Rhithm is a real-time wellness app designed specifically for students and teachers.
- **Arztpool**: Launched in 2023, Arztpool is a live platform connecting patients with doctors, offering features like appointment booking and virtual consultations, built using React.js, GraphQL, and Tailwind CSS.
- **Knick International**: Built and launched Knick International in 2024, an e-commerce website for electronics, featuring a multilingual app serving multiple European countries.

## NOTABLE ACCOMPLISHMENTS

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- Led a project that scaled to 2.5 million users under my leadership, culminating in its acquisition by Securly. [Read more about the acquisition.](#)
- Authored a .NET Core boilerplate [HRB-Boilerplate](#) featuring clean architecture, JWT token authentication, unit test scaffolding, custom filters, and middleware.
- Architected and transitioned the application's infrastructure from a monolithic to a microservices architecture within 3 months, enhancing its scalability to support thousands of users.