

MUHAMMAD ZUKHRUF BASHIR

Max Planck Ring 6c, Ilmenau, Germany (willing to relocate) • [linkedin.com/in/mzbashir/](#) • [github.com/zukhruf-basheer20](#)
• [Portfolio](#) • Single • Pakistani

SOFTWARE ENGINEER | FRONT-END DEVELOPER | MASTERY OF HTML, CSS, TYPESCRIPT | USER-FOCUSED DESIGN

Summary

Web Developer with expertise in full-stack development using React, TypeScript, and Python, contributing to real-time data integration and scalable code for improved user experience. Enhanced fintech and web application functionality, boosting customer satisfaction and conversion rates through optimized UIs and efficient backend services.

Work Experience

Web Developer, Fraunhofer IDMT | DA3KMU Sep 2024 – Present

Junior Web Developer contributing to full-stack development using React, TypeScript, Python, and Agile, ensuring clean, scalable code.

- Contributed to the development of the DA3KMU project dashboard using ReactJS, TypeScript for type-safe, scalable code boosting customer data visualization capability by 40%.
- Integrated WebSocket for real-time data updates in the application for anonymization, enhancing the user experience and increasing customer satisfaction by 35%.
- Managed states in forms and functional components by React useState.
- Engineered a Python backend service, ensuring seamless data flow and integration with the React frontend.
- Implemented features in applications using React, ES6 and TypeScript, and fixed code quality issues using ESLint.

Junior Full-Stack Developer, GeekyBugs.inc | JoinSwitch.co Nov 2022 – Jul 2023

Crafting Blazing-Fast UIs and APIs for the Fintech Clients.

- Enhanced banking application (JoinSwitch.co) functionality and improved UI/UX leading to 30% increase in conversion.
- Accelerated the user interface development process by 35% through implementation of component-based architecture with React and Redux.
- Leveraged React Hooks to simplify stateful logic in components, enhancing code readability and reducing re-renders by 30%.
- Built and optimized a scalable Node.js backend for a fintech client, enabling secure transaction processing and improving API response times by 30%.
- Integrated RabbitMQ into a Node.js backend, enabling efficient message queuing and improving transaction processing speed and scalability by 25%.
- Collaborated in an Agile team of 5 members to iterate on the design process and successfully increased task-completion rate by 25%.

Internship, National Foods LTD Aug 2022 – Oct 2022

Turbocharging Web Apps with Sleek UIs and Optimized code.

- Crated responsive UIs with React, Redux Saga and Tailwind CSS for high traffic web application.
- Improved performance by optimizing JavaScript and leveraging React for efficient virtual DOM manipulation and component re-rendering.
- Gained hands-on experience in implementing reusable React components, following best practices in component-driven architecture.

Skills

Design Languages	HTML5, CSS3, Tailwind CSS
Programming Languages	JavaScript, TypeScript, C#, Python, Bash
Frameworks	Node.JS, Nest.JS, jQuery, React, React Redux Saga, Asp.Net
Database Management Systems	SQL Server, PostgreSQL, MongoDB
ORM (Object-Relational Mapping) Libraries	Prisma, TypeORM
Container Orchestration	Docker
Architectural Pattern	MVC, SPA
Message and Queuing	RabbitMQ
Cloud Computing	AWS EC2 (Elastic Compute Cloud), Microsoft Azure
Project Management Tools	Jira, Redmine
Software Development Methodologies	Test-Driven Development, Agile, Scrum

Education

Master of Science in Research in Computer System Engineering	
Technical University of Ilmenau,	Apr 2023 – Present
Bachelor's in Computer Science	
DHA Suffa University,	Aug 2018 – Jul 2022