



# Azeem Sarwar

(Data Engineer)

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## SUMMARY

**Skilled JavaScript/TypeScript Engineer** with 4+ years of experience specializing in developing scalable, secure, and high-performance front-end applications. Proficient in **React.js**, **Node.js**, and modern JavaScript frameworks with a strong foundation in ES6 standards and modular architecture. Demonstrated ability to write clean, reusable, and maintainable code with a focus on code readability, stability, and security. Adept in Agile environments with expertise in testing, quality assurance, and scalable development practices. Strong problem-solving skills and exceptional communication abilities, ensuring seamless collaboration in distributed teams.

## SKILLS

**Programming Languages:** JavaScript, TypeScript, ES6, SQL

**Frameworks:** React.js, Node.js, Express.js, Redux, Next.js

**Web Development:** Front-End Development, Modular Development, Scalable Architectures, Web Application Development

**Quality Assurance:** Test Planning, Automated Testing, Unit Testing, Code Reviews, Test-Driven Development *TDD*

**Methodologies:** Agile, Scrum, CI/CD, DevOps, Clean Code, Software Security, Continuous Integration

**Tools & Technologies:** Git, Docker, Webpack, Babel, Postman, Jest, Testing Frameworks, RESTful APIs, JSON

**Other Skills:** Communication, Problem-Solving, Collaboration, English Communication, Cross-Functional Teamwork

## EXPERIENCE

### Mid-Chain Technologies

On-site

*Front-End Engineer*

*Mar 2022 – Jan 2025, Full-time*

- Developed scalable and secure web applications using **JavaScript**, **TypeScript**, **React.js**, and **Node.js**, adhering to modern ES6 standards.
- Architected modular front-end systems, improving code reusability by 30% and reducing development time across projects.
- Led code reviews and implemented testing protocols, increasing code quality and reducing post-deployment issues by 40%.
- Collaborated with cross-functional teams to deliver AI-powered solutions, ensuring alignment with client objectives and timelines.
- Enhanced application stability by integrating advanced testing frameworks and automated test pipelines.

### Tech Innovators Inc.

Remote

*JavaScript Developer*

*Feb 2021 – Feb 2022, Full-time*

- Designed and built interactive front-end components with **React.js** and **TypeScript**, optimizing user engagement.
- Implemented best practices for **code security** and **readability**, reducing vulnerabilities and improving maintainability.
- Developed scalable APIs with **Node.js**, enabling seamless integration with AI-based platforms.
- Conducted detailed quality assurance and test planning, achieving a 95% defect-free deployment rate.

- Collaborated with remote teams across time zones, ensuring effective communication and project delivery.

## Global AI Solutions

Remote

Frontend Developer

Aug 2020 – Jan 2021, Contract

- Built responsive web applications using **React.js**, **TypeScript**, and **SCSS**, improving usability by 25%.
- Worked closely with clients to define requirements, translating business needs into technical solutions.
- Ensured application scalability and performance by following best practices in modular development.
- Integrated third-party APIs and implemented secure authentication protocols.

## PROJECTS

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### Alliance Platform

- Developed a **Python** and **React.js**-based web application designed to facilitate seamless collaboration among university departments for resource sharing and project management.
- Implemented secure user authentication and a dynamic dashboard for managing shared resources and project timelines.
- Optimized database operations using **SQL Server**, improving data retrieval speeds by 25%.
- **Awarded First Prize** for this project at the university's annual software exhibition, recognizing its innovation and impact.

## AWARDS & ACHIEVEMENTS

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**Gold Medal for Academic Excellence:** Awarded for securing the 1st position in the Bachelor of Software Engineering program at Arid Agriculture University.

**First Position Award for Final Year Project:** Recognized for developing the best final year project in the field of Software Engineering at Arid Agriculture University.

## RELEVANT COURSEWORK

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**Major coursework:** Data Structures and Algorithms, Object-Oriented Programming, Software Engineering Principles, Database Systems, Operating Systems, Web Development, Mobile Application Development, Artificial Intelligence, Machine Learning, Cloud Computing, Distributed Systems, Computer Networks, Cybersecurity, Internet of Things (IoT), Human-Computer Interaction

**Minor coursework:** Discrete Structure, Linear Algebra, Probability and Statistics, Software Architecture and design

## EDUCATION

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### Nordhausen University Of Applied Sciences

Nordhausen, Germany

*M.Sc. in Computer Engineering Internet of things; –*

*Oct 2024 – Present*

*GPA: 1.0/1.0*

*Expected Graduation: Oct 2026*

### PMAS Arid Agriculture University

Rawalpindi, Pakistan

*B.S Software Engineering; –*

*GPA: 3.92/4.0*

*Gold Medalist, 1st Position in University*

FYP: [Project Alliance](#) – Win 1st Position in University

## HOBBIES AND INTERESTS

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**Open Source Contributions, Building Personal Projects, Public Speaking/Presentations**

## LANGUAGES

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**English** | Professional Proficiency

**Urdu** | Native

**German** | Basic Level (A1)