

Maryam Raheem

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Portfolio: [MaryamRaheem](#)

Place of Birth: Karachi, Pakistan

Objective

Software Engineer with 1+ year of experience, proven ability to thrive both independently and in collaborative environments, consistently delivering high-quality results. Seeking a **Werkstudent/Praktikum** position as a **Frontend Engineer** to further enhance and demonstrate my skills.

Experience

Full Stack Engineer FullTime

Jan 2025 – April 2025

Unikrew Solutions, Pakistan

- Architected and delivered a scalable loan reimbursement system using Next.js, Angular, Flask, and Redux, enabling dynamic banking workflows and boosting process efficiency by 15
- Engineered and optimized frontend experiences by refactoring React/Next.js components, enhancing UI/UX, and resolving 100+ UI issues, resulting in improved performance and release stability.
- Worked on a cross-platform mobile banking app using Flutter for iOS and Android, tailored to fintech client needs including secure onboarding and payment functionalities.
- Resolved 50+ production and release issues while contributing to architecture upgrades and delivering new features across frontend and backend.
- Leveraged AI tools (OpenAI, Cursor, Claude, Lovable) to refactor React components cutting development time by 20%.

Frontend Engineer Trainee

June 2024 – Sept 2024

QBS Co, Pakistan

- Developed a real-time chat app for QBS using WebSocket and Node.js, enabling instant client-employee communication with seamless message synchronization and notification systems.
- Optimized frontend performance using React.js, Next.js, and Angular, reducing page load times by 30% through caching, code-splitting, and server-side rendering, which boosted user retention by 25%.
- Fixed bugs and optimized backend code for the Connect product of QBS, which is built using Node.js.

Software Engineer Intern

June 2023 – July 2023

Blutech Consulting, Pakistan

- Developed modular REST APIs in Express to integrate into a new project.
- Built the frontend of an e-commerce web application using React.js, Bootstrap, and MUI.
- Used MongoDB and SQL to efficiently store both unstructured and structured data.

Teaching Assistant (Programming)

Jan 2024 – May 2024

National University of Computer and Emerging Sciences, Pakistan

- Served as a teaching assistant for Information Security and Operations Research.
- Graded 100+ students' sessional work and guided them on assignments and quiz-related queries.

Education

Masters in Computer Science International

April 2025 – Present

Rostock University, Germany

Focus Areas: System Design, Data Warehouse and Business Intelligence, Artificial Intelligence.

Bachelors in Software Engineering

Sept 2020 – June 2024

FAST NUCES, Pakistan

CGPA: 3.5/4.0 (German 1.7). Achievements: 4× Dean's list, 1× Rector's list, Bronze Holder, Gold Medalist.

Focus Areas: Software Design, Database Development, Web Engineering, Mobile Development, DevOps.

Personal Projects

- **Tourist Automated Guide(Next.js,OpenCV,Langchain,Superbase,RAG)** - This is a NextJS project for guiding the new clients in exploring Germany with automated service linked for queries using RAG Approach with OpenCV,Langchain and Superbase techstack in helping the clients search for best tourist spots through web surfing where LangChain retrieves the most relevant tourist data from database.
- **HR Salary Slip Portal (React.js,Flask,AWS EC2,Docker)** — Designed a web dashboard for payroll automation. Enabled HR to upload Excel files, process data with database integration via Flask(Python) backend, generate PDF salary slips, and send them via email. Deployed on AWS EC2 with dynamic request logging for transparency.
- **Chat to your Database(Next.js, LangChain, NestJS, MongoDB)**: Built an AI-driven web application enabling users to interact with SQL databases using natural language. Utilized LangChain's SQL Agent with OpenAI GPT to parse inputs and autogenerate SQL commands through a NestJS backend. Added MongoDB for session and query log storage. Achieved a 3× reduction in query formulation time via benchmark testing.
- **Anomaly Detection System(Jupyter Notebook,MongoDB,Express,Nodejs)** — Built a web-based system for real-time healthcare anomaly prediction with 80% accuracy. Reduced 120 features to 30 using feature selection, integrated dataset with MongoDB, and optimized Decision Tree model(predictive) to achieve 0.87 accuracy and 0.92 precision.

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, C++

Frontend: HTML5, CSS3,JavaScript(ES6+),TypeScript,React.js,Next.js(CSR SSR),Vue.js

Frontend Tools/Build Tools: Webpack, Babel, Sass, Vite, npm, yarn, ESLint, GitHub Actions

Frameworks & Libraries: Material UI,Tailwind, Bootstrap, React Hook Form,CSS

Backend: Node.js, Express, NestJS, Flask, FastAPI

Testing Tools:Jest, Playwright, Cypress, Unit Testing, Integration Testing, E2E Testing

Databases: MongoDB, PostgreSQL, MySQL, Redis, Oracle SQL

DevOps & Cloud: Docker, Kubernetes, AWS, Azure, CI/CD Pipelines

Soft Skills

Problem Solving, Critical Thinking, Teamwork, Self-Reliance, Adaptability, Attention to Detail

Language Skills

English (C1), German (A2)

Certificates

React, NodeJS, Express MongoDB - The MERN FullStack Guide(Sept 2023)

Big Data Fundamentals with PySpark - DataCamp (June 2023)

Docker Training Course, KodeCloud (Oct 2023)

Data Analyst Skillpath: Zero to Hero in Excel, SQL Python (UDEMY) (Sept 2023)