

Muneeb Arif

Software Engineer

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PROFILE

Software Engineer and Master's student with professional experience building production-level frontend applications using Angular and modern JavaScript. Strong foundation in data structures, databases, and system fundamentals, with hands-on exposure to AWS and full-stack development. Actively seeking software engineering internships or junior roles.

TECHNICAL SKILLS

Core Engineering

- Data Structures & Algorithms (B+ Trees, Graphs)
- System Design Fundamentals & Trade-off Analysis
- Database Normalization & Query Optimization

Frontend Development

- JavaScript (ES6+), TypeScript, HTML, CSS
- Angular (Component Architecture, RxJS)
- State Management & API Integration

Backend & Cloud

- SQL (PostgreSQL), NoSQL Basics
- REST APIs & Authentication (OAuth, JWT)
- AWS (Core Services), Git, CI/CD Basics

EXPERIENCE

Frontend Engineer

- Developed and maintained reusable Angular components for core user flows, improving code consistency across the platform.
- Integrated REST APIs to build dynamic, data-driven UI components with complex state requirements.
- Refactored legacy modules to utilize modern TypeScript features, reducing technical debt and improving maintainability.
- Collaborated with backend developers and designers in a remote distributed team environment.

Mobile Application Developer (Intern)

- Contributed to mobile application features with a focus on usability, accessibility, and performance.
- Implemented UI components and integrated application logic with backend services.
- Collaborated with senior developers to debug critical issues and improve application stability during release cycles.

Volunteer: Facilities & Operations

- Supported operational and facilities tasks in academic environments, demonstrating reliability and teamwork.

KEY ENGINEERING PROJECTS

github.com/munneb10

MiniDB - Custom Database Engine

Built a simplified database engine to demonstrate internal storage, indexing, and query execution mechanisms.

Custom OAuth Authorization Server

Implemented a complete authentication flow including token issuance, refresh tokens, and PKCE security for secure client access.

Distributed Transaction Simulator

Explored distributed consistency by simulating transaction coordination, rollback mechanisms, and failure scenarios.

EDUCATION

M.Sc. Computer and Systems Sciences

Stockholm University, Sweden

B.Sc. Software Engineering

PMAS Arid Agriculture University, Pakistan

CERTIFICATIONS

Architecting Solutions on AWS: Amazon Web Services

Mathematics for Machine Learning: DeepLearning.AI

IBM Data Science Professional Certificate: IBM