

TAUFEEQ ALI

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EDUCATION

University of Texas - Dallas
Bachelor's, Computer Science

August 2023 - May 2026

PROFESSIONAL EXPERIENCE

ARGO Data

Software Development Apprentice

June 2025 - January 2026

Richardson, TX, USA

- Developed a real-time Customer Map dashboard using .NET and MapLibre JS to visualize 10,000+ edge locations, improving incident visibility and helping enterprise teams identify service issues faster.
- Built an Alerts & Monitoring Dashboard to aggregate telemetry across distributed servers, enabling proactive issue detection and clearer operational insights for internal and client-facing teams.
- Designed a Dynamic Routing & Process Status Panel to monitor background service health and support automated alert workflows, helping reduce downtime across enterprise deployments.
- Contributed to migration efforts to a modern web platform using .NET 8 and Vue.js, improving performance, maintainability, and diagnostic capabilities for cloud-hosted systems.
- Collaborated in a business-focused engineering environment where reliability, usability, and production support directly impacted customer operations.

PROJECTS & OUTSIDE EXPERIENCE

Pegasus - Data Management Tool - [Link to project](#)

Developer

November 2025 - Present

- Architected an AI-enabled orchestration layer for natural language data querying, combining NL2SQL, retrieval workflows, and secure private-data access patterns.
- Built a scalable backend using Hono, TypeScript, and Drizzle ORM, with authentication, billing integration, and modular APIs designed for extensibility and secure enterprise usage.
- Designed a multi-database adapter architecture supporting PostgreSQL, MongoDB, DuckDB, and BigQuery, enabling flexible querying across heterogeneous data sources.
- Improved platform scalability by offloading large artifacts and chat context to cloud object storage using presigned URLs, reducing compute and database overhead.

Draco - Autonomous Cloud Monitoring tool - [Link to project](#)

Developer

January 2026 - March 2026

- Built a cloud monitoring platform using .NET 8 and modern web technologies to analyze infrastructure state and surface anomalies across cloud environments.
- Integrated AI-driven analysis workflows to interpret infrastructure snapshots and generate readable explanations for system changes and potential risks.
- Implemented an automated remediation workflow capable of generating Terraform fixes and opening pull requests for review, demonstrating cloud automation and DevOps principles.
- Developed a serverless-style backend with PostgreSQL, alerting integrations, and approval workflows to support faster operational response.

SKILLS

- **Languages:** C#, JavaScript, TypeScript, Python, SQL, Java, HTML
- **Frameworks & Tools:** .NET 8, React, Vue.js, Node.js, Bun, Tailwind CSS
- **Cloud & Infrastructure:** Microsoft Azure, Git, GitOps, Vercel, cloud deployment concepts, microservices architecture
- **Databases:** PostgreSQL, MongoDB, SQL, NoSQL, SurrealDB
- **Concepts:** REST APIs, web services, AI/LLM applications, scalable system design, observability, cloud monitoring, Agile development, Team Planning, Scalable design, Front-End, Full stack, Spec Driven Development, End-to-End Software Development

ORGANIZATIONS

Cloud Compute Club — Technical Officer for Azure Cloud

- Organized and led workshops covering **Azure**, **AWS fundamentals**, and deployment concepts, helping students build stronger cloud and infrastructure knowledge.