

Darsh Shah

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PROFESSIONAL SUMMARY

Senior software engineer with 8+ years of experience building enterprise web, mobile, and data platforms. Strong hands-on depth in C#, .NET Core, REST APIs, Azure, SQL Server, distributed workflows, and Angular. Owns delivery from API and data design through testing, CI/CD, observability, and production support. Recent work includes onboarding 100+ enterprise customers, processing 18 million records, improving a high-volume calendar load from about 30 seconds to 4 seconds, and guiding a five-engineer delivery team.

CORE COMPETENCIES

REST API Design

OAuth 2.0 / JWT

Distributed Systems

Event-Driven Architecture

Public API Products

Multi-Tenant SaaS

Production Ownership

Performance Tuning

CI/CD & Release Engineering

Observability & Monitoring

Cross-Team API Contracts

Technical Mentoring

PROFESSIONAL EXPERIENCE

Momentum Technologies Dec 2019 - Present

Senior Software Engineer (Sep 2023 - Present) | Programming Analyst (Dec 2019 - Sep 2023)

Mumbai, India

- Built a reusable **.NET authentication package** for machine-to-machine and SPA scenarios, covering **JWT validation**, user lifecycle operations, invitations, password resets, and Microsoft Graph integration; the package was **adopted across the organization**.
- Designed and maintained ASP.NET Core services and integrations using EF Core, Dapper, SQL Server, Azure **API Management**, Key Vault, **Event Hub**, and App Insights, with secure secret handling and traceable production logging.
- Reduced a representative high-volume OneView Calendar load **from about 30 seconds to 4 seconds (about 85%)** by moving heavy data access to optimized stored procedures and table-valued parameters, adding caching, and tuning query paths.
- Own backend and full-stack delivery across multiple products, working with product, frontend, backend, data, and DevOps teams to **define API contracts**, make architectural tradeoffs, review code, and guide five engineers without a formal management role.
- Supported onboarding for **100+ customers** in the Americas benchmarking program and improved batch ingestion to process **18 million records in nine days** while monitoring throughput and data quality.
- Implemented the organization's **first AWS Step Functions** onboarding workflow for AskMo, coordinating HTTP and callback steps, access policies, and failure handling; the workflow helped onboard 10+ customers.
- Resolved cross-venue calendar duplication and event-visibility issues through **deterministic mapping**, data cleanup, and validation rules; also supported processing for 1.2 million Elite hidden-event mapping records.
- Improved release confidence through Azure DevOps pipelines, automated build and deployment workflows, unit and integration tests, code reviews, implementation and **rollback planning**, and KQL-based production monitoring.

Motes & Bots Technologies (acquired by CantorSpace) Jun 2018 - Dec 2019

Software Developer

Mumbai, India

- Built and integrated a Flutter smart-lock plugin by adapting third-party Japanese Android SDKs and using platform channels for reliable cross-platform communication.
- Migrated state management from GetX to Bloc using Flutter Cubits and StateProviders; integrated Lottie animations through Flutter animation controllers.
- Developed mobile and web features in a small delivery team, troubleshooting device integrations and taking changes from implementation through release support.

SELECTED ENGINEERING CONTRIBUTIONS

Connect API & Integration Hub

- Public API surface with organization-aware access control: JWT-based service integration, API Management headers, Event Hub logs, and KQL dashboards for operational visibility.

City & Country Data Program (OpenStreetMap)

- Designed data-cleanup and duplicate-handling rules for 149,528 missing-city records, including indexing and safe bulk-update considerations.

Snowflake proof of concept

- Evaluated row-level access, encryption, time-series analysis, and predictive query use cases to support secure enterprise analytics.

API & data orchestration

- Regularly negotiated contracts between frontend and backend teams, clarified ownership and failure states, and delivered complete product flows rather than isolated components.

EDUCATION

Bachelor of Computer Engineering Shah and Anchor Kutchhi Engineering College, Mumbai University Mumbai, India	2014 - 2018
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CERTIFICATIONS

Microsoft Certified: Azure Fundamentals	Microsoft
Scrum Foundation Professional Certificate	CertiProf
Problem Solving (Advanced)	HackerRank
Java (Basic)	HackerRank

TECHNICAL SKILLS

Backend: C#, .NET Core, ASP.NET Core, RESTful APIs, EF Core, Dapper, JWT/OAuth, gRPC
Architecture: Distributed systems, service architecture, multi-tenant SaaS, event-driven and async workflows, caching, background processing
Cloud & DevOps: Azure App Services, Azure SQL, Key Vault, Storage, App Insights, Event Hub (event-driven messaging), API Management, Azure DevOps Pipelines, Docker; AWS Lambda and Step Functions
Data & Quality: SQL Server, Snowflake, schema design, stored procedures, query optimization, indexing, xUnit, Coverlet, integration and end-to-end testing, KQL, Grafana
Frontend: Angular, TypeScript, React, Flutter