

KRUNAL JETHVA

Software Engineer · .NET · Angular · Cloud

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with **4+ years** of experience architecting enterprise solutions across **.NET and Angular** ecosystems. Proven track record delivering mission-critical, high-performance applications for global clients. Experienced **technical mentor**, **cross-functional collaborator**, and hands-on **full-stack engineer** with deep expertise in distributed systems, cloud infrastructure (**AWS, GCP**), and clean architecture patterns.

TECHNICAL SKILLS

Languages	C#, TypeScript, Python, SQL, Java, HTML/CSS
Frameworks	.NET (Web API, Blazor, EF Core), Angular (v7–v19), Flask, Node.js
Cloud & DevOps	AWS (SQS, SNS, S3, Lambda), Microsoft Azure (AZ-900 Certified), Google Cloud Platform, Cloudflare CDN, Docker, Linux
Architecture	Microservices, CQRS, Clean/Onion/Layered Architecture, Mediator Pattern, REST, WebSocket
Auth & Security	Firebase Auth, JWT, Role-Based Access Control (RBAC), MFA, Private Key Infrastructure
Databases	SQL Server, MongoDB, Entity Framework Core, Dapper
Tools	Git, Visual Studio, VS Code, JetBrains IDEs, Postman
Methodologies	Agile/Scrum, TDD, Code Review, Technical Mentorship

EXPERIENCE

Decos Software Development Pvt. Ltd

Software Engineer

May 2025 – Present
Remote (Global Clients)

- Led **Angular 7 → 19 migration** for a large-scale legacy application, collaborating with a cross-functional international team across multiple time zones.
- Reduced component-level **bugs by ~70%** and eliminated **3-4 seconds of load time** per interaction in slow-network environments by preventing unnecessary Blazor re-renders and minimizing redundant API calls.
- Optimized Blazor module **performance by up to 50%** through targeted rendering and API call strategies on CenterOne ProcessPro, a globally-used document management system.
- Migrated data access layer from Dapper raw SQL to Entity Framework Core, improving code maintainability, scalability, and long-term developer productivity.

Tark Technologies LLP

Senior Software Engineer

April 2024 – 2025
Rajkot, Gujarat

- Mentored 7–10 junior developers** and interns across code review practices, architecture patterns, and test-driven development, directly improving team output quality.
- Organized and facilitated company-wide **hackathons** and tech **events with 50-100 attendees**, fostering collaboration between engineering teams and local university students.
- Architected and implemented a secure authentication system using Firebase and private key infrastructure with role-based access control (**RBAC**) and multi-factor authentication (**MFA**).
- Designed and developed a real-time messaging system with WebSocket integration for mobile field operations, including message queuing and offline message handling.

- Engineered RESTful APIs across 2-3 .NET **microservices** for cross-platform applications, implementing caching strategies and request rate limiting for optimal performance.
- Led code refactoring initiative across .NET microservices, introducing **CQRS pattern** and implementing automated testing pipelines to improve code quality and deployment reliability.
- Designed distributed system architecture using **AWS services (SQS, SNS, S3) and Cloudflare CDN** for multi-location reliability, scalability, and data synchronization.
- Developed custom **HomeSeer automation** plugins integrating with POS systems, featuring automated device discovery and real-time hardware status monitoring.
- Implemented clean architecture patterns (layered, mediator, onion) with strong emphasis on dependency injection and interface segregation principles across the codebase.
- Developed full-stack airline reservation system (academic project) using .NET Web API and Angular, implementing a custom graph algorithm for optimal multi-city flight route calculation.
- Participated in technical planning sessions and sprint reviews, contributing to architectural decisions and feature prioritization.

PROJECTS

Restaurant POS System | *.NET Microservices, Angular, AWS, Cloudflare*

- Architected and developed a comprehensive multi-location restaurant POS system using .NET microservices and Angular, featuring real-time order tracking and inventory management.
- Engineered a dynamic digital menu system with configurable business logic for stock management, item availability, and pricing rules across multiple restaurant locations.
- Designed distributed AWS architecture (SQS, SNS, S3) with Cloudflare CDN to support multi-location operations with reliable data synchronization.
- Built a custom receipt template interpreter using stack-based parsing for nested conditional and loop statements, enabling fully flexible receipt customization.
- Implemented a graph-based validation algorithm to prevent circular dependencies in restaurant menu screen mappings.
- Developed a robust form state management service with unsaved-change detection and navigation guards to prevent accidental data loss.

Printer Management Dashboard | *.NET, Angular*

- Built a real-time printer monitoring system integrated with the Windows print spooler, featuring job queue management, automated cleanup of stale jobs, and comprehensive error tracking.

Online Food Ordering Platform | *Angular, Firebase, Google Pay, Apple Pay*

- Developed a responsive online food ordering platform with real-time order tracking, dynamic menu management, and integrated kitchen notification system.
- Implemented secure authentication using Firebase SDK with custom claims and private key auth for internal microservice communication.
- Integrated Google Pay and Apple Pay payment gateways with comprehensive error handling and transaction management.

Audio Recording Module for POS | *Python, Flask*

- Built a Python-based audio recording system with custom buffer management, featuring automatic gain control, noise reduction, and efficient storage optimization.

Transformation Conversational Chat | *Python, Flask, MongoDB, WebSocket*

- Developed a real-time chat application with WebSocket integration, automatic language translation, message persistence, and user authentication.

RMC Chatbot | *Python, RASA, AWS (S3, Lambda)*

- Built a conversational AI chatbot using RASA with a custom NLP pipeline for intent classification and entity extraction.
- Deployed via serverless AWS architecture (S3 + Lambda) for scalable, low-maintenance hosting.

YouTube Transcript Summarizer | *JavaScript, Python, Chrome Extension*

- Created a Chrome Extension with a Python NLP backend for automated text summarization of YouTube video transcripts.

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900) Microsoft · 2026

Verify: [ECB83E85AFC2E6F3](#)

EDUCATION

V.V.P. Engineering College

Bachelor of Engineering in Computer Engineering

CGPA: 9.26 / 10

Sep 2018 – May 2022

Rajkot, Gujarat