

# Mohammed Aadil

Software Engineer | ASP.NET Core | Full Stack .NET Developer  
mohammedaadilashik@gmail.com | Kochi, India | [LinkedIn](#) | [GitHub](#)

## PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building production-grade backend systems using ASP.NET Core, C#, and Entity Framework Core. Delivered RESTful APIs for a live CRS platform serving the global travel industry, with hands-on work across JWT authentication, SQL optimisation, Redis caching, and third-party airline API integration. Built complete full-stack projects end-to-end using Angular and SQL Server. Comfortable working in Agile teams, taking ownership of modules from requirement to deployment, and collaborating across QA and frontend functions.

## TECHNICAL SKILLS

**Backend:** ASP.NET Core 8, ASP.NET MVC, Web API, C#, .NET Core

**ORM & DB:** Entity Framework Core, SQL Server, MySQL, Redis

**Frontend:** Angular (Standalone Components), JavaScript, TypeScript, HTML, CSS, Bootstrap 5

**API & Auth:** RESTful APIs, SOAP/WSDL, JWT Authentication, Swagger/OpenAPI, XML, JSON

**Tools:** Git, GitHub, Postman, Swagger UI, Jira, Chart.js, jsPDF

**Concepts:** OOP, SOLID Principles, MVC, Clean Architecture, Role-Based Access Control (RBAC), Agile/Scrum

## PROFESSIONAL EXPERIENCE

### Software Engineer

Jan 2024 – Present

#### Benzy Infotech

Kochi, India

*Project: WebConnect Plus — Central Reservation System (CRS) | Global Travel Industry*

- Reduced booking failure rate by strengthening ASP.NET Core business logic and tightening SOAP/WSDL request validation against live airline APIs.
- Improved API response time by approximately 20% through targeted MySQL query optimisation and Redis caching on high-frequency flight-search endpoints.
- Built and maintained 10+ RESTful API endpoints in C# covering real-time fare retrieval, seat availability, booking confirmation, and cancellation flows.
- Documented all internal APIs using Swagger/OpenAPI, giving the frontend and QA teams a reliable, self-updating reference for every endpoint.
- Implemented global exception handling middleware and structured logging, reducing mean time to resolve production incidents.
- Resolved API defects using Postman, coordinating fixes with QA and frontend teams through Jira, cutting defect turnaround time within sprints.
- Delivered sprint tasks consistently on time across multiple Agile cycles; participated in daily stand-ups, peer code reviews, and sprint retrospectives.

### ASP.NET Full Stack Trainee

Aug 2023 – Jan 2024

#### Luminar Technolab

Kochi, India

- Completed intensive training in C#, ASP.NET MVC/Core, Angular, and Windows Forms — directly aligned with current production role at Benzy Infotech.
- Built an E-Commerce web application as a capstone project using layered architecture, backend integration, and MySQL for data persistence.
- Practised Git/GitHub for version control and worked within Agile workflows, preparing for real sprint-based team environments.

## Web Development Intern

Nov 2023 – Dec 2023

### Coding Samurai

Remote

- Built 3 responsive web projects — Task Manager, Calculator, and a Football Blog — using HTML, CSS, and JavaScript.
- Fixed cross-browser layout bugs and improved UI consistency across screen sizes, applying clean and reusable component structure.

## Cyber Security Intern

2023

### EYEQDOTNET

Remote

- Assisted in vulnerability analysis and basic security assessments, drawing on BCA Cyber Forensics specialisation coursework.

## P R O J E C T S

---

### Inventory & Billing System | *ASP.NET Core 8 · Angular · SQL Server · EF Core · JWT · Swagger* | [GitHub](#)

*Full-stack inventory and invoicing platform with role-based access, real-time stock control, and document export*

- Implemented JWT authentication with Admin and User roles — Admins manage products and customers; Users handle invoicing and order history.
- Built product management module with real-time stock tracking and low-stock alerts, preventing orders from being placed on out-of-stock items.
- Designed an invoice workflow that auto-deducts stock on creation, blocks insufficient-stock submissions, and calculates grand totals automatically.
- Added a safe cancel-invoice feature that restores stock quantities and flags invoices as Cancelled, preserving full audit integrity.
- Built search and filter controls across customer name, product name, date range, and invoice status for fast record lookup.
- Integrated a Chart.js dashboard displaying revenue totals, invoice counts, and low-stock alerts in real time.
- Added PDF export via jsPDF, CSV history export, and mailto-based invoice emailing — all accessible directly from the Angular UI.
- Documented all API endpoints with Swagger/OpenAPI; designed a normalised SQL Server schema with EF Core migrations and full relationship mapping.

### AES Encryption Tool | *ASP.NET MVC · C# · SOLID Principles* | [GitHub](#)

*Secure data-handling utility that encrypts sensitive inputs before database storage*

- Built an AES-256 encryption and decryption module in C#, applying SOLID principles with clear separation between logic and presentation layers.
- Structured the project using MVC architecture so the encryption service can be reused or extended without touching the UI layer.
- Encrypted user inputs before writing to the database, demonstrating practical data-protection patterns in a .NET backend context.

## E D U C A T I O N

---

### Bachelor of Computer Applications (BCA)

2020 – 2023

#### Yenepoya University

Mangalore, Karnataka

*Specialisation: Cyber Forensics, Cyber Security & Data Analytics*

## C E R T I F I C A T I O N S

---

- **ASP.NET Full Stack Certification** — NACTET via Luminar Technolab
- **C# Programming with Examples** — Udemy
- **Git & GitHub** — Udemy
- **Python Programming (Score: 79%)** — IIT Madras — NPTEL / Swayam
- **Cyber Security Professional Certificate** — IBM (Credly Verified)