

Arshdeep Singh Bhatia

arshdeepsbhatia11@gmail.com | github.com/arshsb1102 | [linkedin.com/in/arshsb1102](https://www.linkedin.com/in/arshsb1102) | arshdeep.vercel.app

PROFILE

Full-stack engineer (**2.5 yrs**) building scalable **.NET 8 + React systems with SQL, MongoDB, and Redis**; strong in performance tuning, distributed design, and legacy refactoring.

WORK EXPERIENCE

Software Engineer | Fareportal India Pvt. Ltd., Gurgaon, India **Aug 2023 - Present**

1. OAP-Refunds – Agent Refunds Module

- Drove **85% adoption** of the Customer Refunds tool within **one quarter** by integrating it into OAP using a microfrontend workflow consistent with existing UI patterns.
- Improved API response time by **79% (24 s to 5 s)** through **query optimization and targeted SQL indexing**.
- Reduced average transaction time from **25 minutes to 10 minutes** by parallelizing multiple refund requests.
- Reduced **SQL connection overhead by 10%** by introducing scoped dependencies for DBConnections.
- Reduced memory utilization by **40% (16GB to 9GB)** by using HttpClientFactory for API Clients and resolving telemetry leaks by reusing instances from AddApplicationInsightsTelemetry().

2. OAP-Cancellation – Agent Cancellation Module

- Designed a **reusable UI micro-module system** for Air/Fusion Fare Flow, first deployed for Car and later extended to Hotel, Cross-sell, and Vacation Packages.
- Onboarded Car Cancellation flow, increasing net transaction volume by **10% (~1,000/month)**, and supported Hotel flow integration with shared non-air components.
- Onboarded Vacation Packages flow into cancellation which further led to deprecation of legacy non-air cancellation system.
- Authored technical wiki and created microfrontend boilerplate; **reduced onboarding time by 20%**.

Software Engineer - (Internship) | Fareportal India Pvt. Ltd., Gurgaon **Oct 2022 – Aug 2023**

- Supported rollout of multi-carrier credit flow, improving feature adoption by 0.4%

TECHNICAL SKILLS

Languages: C#, JavaScript, TypeScript, SQL, Java, C++, HTML, CSS

Frameworks & Libraries: React, .NET, Next.js, Bootstrap, TailwindCSS, Redux, Webpack, Vite

Databases: MSSQL, MongoDB, PostgreSQL, Redis

Tools & Testing: Azure, Git, Postman, Kibana, Vercel, Railway, Jest, Moq, React Testing Library, RabbitMQ

Concepts: Microservices, Event-driven architecture, WebSockets, REST APIs, JWT Auth, Legacy Refactoring

EDUCATION

BTech. Computer Science (CSE) • Vellore Institute of Technology, Vellore, IN • **CGPA 9.15** • Jul 2019 – Aug 2023

PROJECTS

TempoSort – The Personal Task Manager with Email Notifiers

.NET, Next.js, TailwindCSS, PostgreSQL, Quartz.NET, Scriban

<https://tempo-sort.vercel.app/>

<https://github.com/arshsb1102/TempoSort>

- Developed a full-stack task management platform using **React** and **.NET 8** with **PostgreSQL**, implementing **CRUD** operations and **JWT-based authentication** for secure internal APIs.
- Architected and built a **decoupled email notification system**, including a custom **Scriban templating engine** and **Quartz.NET** for scheduled daily digests.
- Architected the system to support **modular growth** (priorities, teams, etc)

AWARDS AND CERTIFICATIONS

- **1st Place – DefHacks Worldwide 3.0** (Beginner Track, 694 teams) - [Devpost](#)
- **IELTS Academic – Overall Band Score: 8.5** (Listening 9.0, Reading 8.5, Writing 7.5, Speaking 8.0)