

PIYUSH RAJ

+91 7463980230 | piyushraj2340@gmail.com | India | [linkedin.com/in/piyushraj2340](https://www.linkedin.com/in/piyushraj2340) | github.com/piyushraj2340

PROFESSIONAL SUMMARY

Software Engineer with 2 years of experience building scalable full-stack applications using ASP.NET Core, React, SQL Server, and Azure, with expertise in multi-tenant SaaS architecture, secure authentication, performance optimization, and workflow automation.

SKILLS

- **Languages:** C#, JavaScript, TypeScript, SQL
- **Backend:** ASP.NET Core, ASP.NET MVC, Entity Framework Core, REST APIs, JWT Authentication, SignalR, Hangfire
- **Frontend:** React.js, TanStack Query, Redux Toolkit, Zustand, Tailwind CSS
- **Database & Cloud:** SQL Server, Azure App Service, Azure SQL Database, Azure Blob Storage
- **DevOps & Tools:** Azure DevOps, Docker, Git, GitHub, Swagger, Postman, Jira
- **Architecture:** Clean Architecture, CQRS (MediatR), Multi-Tenant Architecture

WORK EXPERIENCE

Ariel Software Solutions Pvt. Ltd.

Jun 2025 - Mar 2026

Junior Software Engineer,

Mohali, Punjab

- Developed enterprise ERP and B2B marketplace solutions using ASP.NET Core, React, SQL Server, and Azure, contributing to multi-tenant architecture, third-party integrations, and frontend modernization.
- Implemented runtime database switching and automated tenant onboarding, reducing client onboarding time by 80% through automated database provisioning and Entity Framework Core migrations.
- Reduced manual accounting effort by 30% by automating real-time synchronization between the ERP platform and QuickBooks Online using webhooks and Hangfire.
- Redesigned the authentication flow by introducing JWT access and refresh tokens, supporting secure session renewal and strengthening authentication security.
- Refactored the frontend into a feature-based architecture by separating UI, business logic, and data fetching into reusable components, hooks, and centralized state management, improving maintainability and minimizing unnecessary re-renders.
- Collaborated with cross-functional teams to deliver production features, participate in code reviews, resolve production issues, and mentor interns through technical guidance and debugging sessions.

Protolabz eServices

May 2024 - May 2025

Assistant Web Developer,

Phagwara, Punjab

- Engineered field service applications for oil and gas operations, providing compressor monitoring, downtime reporting, and operational visibility for field supervisors.
- Implemented compressor downtime reporting and real-time alerts using Hangfire and SignalR, allowing faster response to equipment failures.
- Improved auction bidding throughput by 20% by replacing SQL Server Service Broker processing with an in-memory queue, reducing database deadlocks during high-concurrency bidding.
- Optimized frontend performance by 25% through Lighthouse-driven improvements, including route-level lazy loading, bundle optimization, and reducing unnecessary component re-renders.
- Built backend features using SOLID principles, Clean Architecture, and the Repository pattern to improve maintainability.

INDEPENDENT PROJECTS

TaskFlow — Project & Workflow Automation Platform [Live Demo](#) | [GitHub](#)

Apr 2025 - Present

- Architected and developed a multi-tenant SaaS work management platform supporting collaborative project planning, workflow automation, and secure workspace isolation.
- Designed modular backend services using Clean Architecture, CQRS (MediatR), and Entity Framework Core, simplifying feature development and simplifying long-term maintainability.
- Designed a workflow automation engine using Hangfire to manage recurring schedules, reminders, and background processing across the platform.
- Migrated a legacy React application to a Turbo monorepo, introducing shared packages and independently deployable applications to improve scalability and code reuse.

EDUCATION

Chandigarh University

Mohali, Punjab

- **Bachelor of Engineering (B.E.) in Computer Science** | CGPA: 8.03/10

Aug 2020 – May 2024

ACHIEVEMENTS

- Solved 700+ algorithmic problems across [LeetCode \(250+\)](#), [GeeksforGeeks \(350+\)](#), and [CodeChef \(100+\)](#).