

Pankaj Kumar

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SUMMARY

Senior Full Stack Software Engineer with 5+ years of experience building scalable enterprise applications and production-ready SaaS products using C#, .NET, SQL Server, Blazor, React, and Angular. Experienced in healthcare systems, REST API development, real-time communication, and cross-platform applications with .NET MAUI Hybrid. Built and maintain multiple production SaaS products and developer tools while leveraging AI-assisted development (GitHub Copilot, Claude Code, ChatGPT, OpenAI Codex) to improve productivity, code quality, and delivery speed. Strong foundation in clean architecture, system design, and performance optimization.

TECHNICAL SKILLS

Languages: C#, SQL, VB.NET, JavaScript, TypeScript, Python, PowerShell

Frameworks & Platforms: .NET Core, .NET Framework, ASP.NET Web API, ASP.NET MVC, Blazor Server, Razor Pages, Angular, React, .NET MAUI Hybrid

Architecture & Design: Clean Architecture, REST API Design, Dependency Injection, Middleware, SOLID Principles, Modular Architecture

Web & UI: HTML5, CSS3, Bootstrap, jQuery

Databases: Microsoft SQL Server, Stored Procedures, Query Optimization, Indexing

Real-Time & Messaging: WebSockets, SignalR, RabbitMQ

Testing & Automation: Playwright, Reqnroll (BDD), NUnit, UI Automation, API Testing

DevOps & CI/CD: Azure DevOps, Git, Octopus Deploy, SonarQube

Developer Tools: Visual Studio, VS Code, SSMS, Postman

AI-Assisted Development: GitHub Copilot, Claude Code, ChatGPT, OpenAI Codex, Prompt Engineering

Methodologies: Agile (Scrum, Sprint Planning, Code Reviews)

EXPERIENCE

Senior Software Engineer

Quantiphi

Aug 2025 - Present

Bangalore, Karnataka

- Developed a Blazor-based medical imaging viewer for analyzing patient studies using DICOM images, adding multi-planar reconstruction (axial, coronal, sagittal) that helped clinicians review images more efficiently.
- Implemented real-time image updates using WebSockets and SignalR to support dynamic image transformations such as rotation, zoom, and overlays for diagnostic workflows.
- Built a cross-platform medical application using .NET MAUI Hybrid, sharing Razor components across web and desktop platforms to improve code reuse and maintainability.
- Developed React-based components and dashboards for medical workflow modules, integrating seamlessly with existing .NET backend services and REST APIs.
- Designed and consumed RESTful APIs for managing patient, study, and imaging series data while optimizing SQL queries and stored procedures, improving data retrieval performance by up to 35%.
- Implemented authentication and role-based access control using Keycloak to secure healthcare data access across application modules.
- Established BDD-based automation testing using Reqnroll and Playwright, improving regression coverage and reducing manual testing effort by 40%.
- Migrated Azure-specific .NET applications to a cloud-agnostic architecture for seamless deployment on GCP without impacting functionality.
- Leveraged Claude Code, ChatGPT, and OpenAI Codex for AI-assisted development including code generation, debugging, refactoring, unit test creation, documentation, and architecture exploration, improving overall development productivity.

Software Engineer

Eurofins IT Solutions

Jan 2022 – Jul 2025

Bengaluru, Karnataka

- Developed RESTful APIs with C#, .NET Core, and SQL Server that enabled real-time deviation management, equipment tracking, and sample workflow automation, reducing manual data-entry time for laboratory staff.
- Built full-stack web applications using .NET, Angular, jQuery, HTML, and CSS to manage laboratory processes including sample registration, distribution, and tracking.
- Enhanced the eLIMS-NG platform by implementing automated lab data aggregation and improving sample lifecycle tracking across multiple laboratory systems.
- Improved application maintainability by resolving SonarQube issues and refactoring legacy modules, reducing technical debt and increasing code quality scores by 30%.
- Migrated legacy ASP schedulers to modern JavaScript-based implementations, improving maintainability and reducing system processing delays.
- Implemented centralized logging using NLog and automated email notifications in .NET Core to improve monitoring, debugging, and operational reliability.
- Built reusable React components for internal laboratory applications alongside Angular-based modules, integrating with .NET APIs to deliver responsive user interfaces.
- Delivered Blazor Server dashboards and reports to replace legacy ASPX pages, improving UI performance and reducing page load time by 25%.
- Automated environment configuration and maintenance using PowerShell scripts, reducing deployment setup time by 40%.
- Utilized GitHub Copilot to accelerate feature development, code refactoring, unit test creation, and routine development tasks while maintaining code quality through peer reviews and SonarQube validation.

Full Stack Web Development (Internship)

Newton School

Jun 2021 – Dec 2021

Remote

- Developed full-stack web features using Java, Angular, HTML, CSS, and JavaScript, wrote unit and UI tests with Playwright, and participated in Scrum sprints and code reviews, delivering a functional module that improved user navigation and reduced regression testing time.

Customer Care Executive

Concentrix

Oct 2020 – Feb 2021

Remote

- Handled customer queries and issue resolution through voice support, ensuring service quality.

EDUCATION

B.Tech, Computer Science

Galgotias University

Aug 2016 – Jul 2020

Greater Noida, Uttar Pradesh

PROJECTS

Lumi Logger — Published C# logging library on NuGet with structured HTML/JSON logging via ILogger for enterprise use.

DevToolsHub — Developer utility platform with 38+ tools (JSON formatting, JWT decoding, QR generation, regex testing, Base64, color extraction). [Link](#)

Shaadi Biodata Maker — Marriage biodata generator with 26+ templates, live preview, and instant PDF/PNG export. [Link](#)

Vasulify — Invoice & billing automation platform with GST invoicing, automated payment reminders, recurring billing, and client portal. [Link](#)

Portfolio — Personal portfolio showcasing projects and skills. [Link](#)