

Rushal Maksane



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Professional Summary

Engineering Manager and Lead with **19+ years** in the .NET technology stack and **12+ years** delivering large-scale EHR and interoperability solutions within the U.S. healthcare domain using HL7, CCDAs, ECR standards.

- **Team Leadership:** Led distributed teams of **10+ engineers**, driving end-to-end solution design, Agile delivery, and onshore-offshore synchronization.
- **Domain Expertise:** Deep technical mastery of **HL7, CCDAs, FHIR, ECR, XDS/XDR/XDM, and SMART on FHIR**; Mirth Connect Certified and also participated in U.S. Connectathon.
- **Strategic Modernization:** Spearheaded legacy application modernization, achieving up to **80% performance gains** through architectural redesign and database query optimization, converting windows form application to WPF.
- **Cost Optimization:** Directed the migration from paid Symphonia licensing to **open-source NHapi**, reducing vendor dependency and operational costs while maintaining HL7 parsing integrity.
- Certified Scrum Master (CSM)
- **Operational Excellence:** Established CI/CD pipelines, code review guidelines, and quality standards, earning the **Star Award, Pat on back award** for engineering contributions.
- **Innovation Leadership:** Recognized by **CEO, CTO** for Hackathon innovation; currently leveraging **AI-assisted tools** (Windsurf, Claude, Copilot) to accelerate delivery timelines and code quality.
- **Productivity Tooling:** Developed in-house automation (e.g., G2J Gherkin-to-Jira) and XML utilities to streamline QA and development workflows.
- **Stakeholder Management:** Acted as a primary technical liaison between clients, product owners, and executive leadership to align engineering output with business goals.

Technical Skills

- **Leadership & Process:** Engineering Management, Team Leadership, Agile Delivery, Certified Scrum Master (A-CSM), Technical Leadership, and Architecture Design.
- **Healthcare Interoperability:** HL7, CCDAs, ECR, XDS/XDR/XDM, SMART on FHIR, and Certified Mirth Connect Professional.
- **Core Tech Stack:** .NET Core, .NET Framework, Microservices Architecture, ASP.NET MVC, C#, Web API, WPF, SQL Server, Entity Framework, HTML5, CSS3, and JavaScript.
- **DevOps & Testing:** CI/CD Pipelines (Jenkins), AWS, Docker, Kubernetes, NUnit, TDD/BDD, Git, and Jira.
- **AI & Other Productivity Tools:** AI-assisted development (Windsurf, GitHub Copilot, ChatGPT), JetBrains Suite (Rider, dotMemory), and XML/Gherkin automation utilities

Professional Experience

Sr Staff Engineer — NextGen Healthcare India Pvt. Ltd., Bangalore

Oct 2012 – Feb - 2026

- **Team Leadership:** Lead geographically distributed teams of 10+ engineers, overseeing full-lifecycle delivery of interoperability solutions and post-production support and a scrum master.
- **Architecture & Standards:** Architected mission-critical products using HL7, FHIR, and CCDAs standards to ensure seamless data exchange across the U.S. healthcare ecosystem.
- **Operational Excellence:** Led problem management initiatives to improve system stability; improved performance by 80% and converting project to replace paid symphonia to open source Nhapi, and multiple others. Also set up code review guidelines, code reviews, production support guidelines.
- **Talent Development:** Spearheaded hiring, mentoring to build high-performing engineering teams.
- **Strategic Delivery:** Managed module ownership from requirement gathering through deployment, end to end delivery.
- Technologies used include ASP.NET MVC, C#, WPF, Web API, SQL Server, Entity Framework, NUnit, Git, and CI/CD pipelines.

Previous Roles

- UST Global – onsite at Dell Technologies - Apr 2008 to Oct 2012
- Satyam Technology — Mar 2006 to Mar 2008

Education

M.C.A — Nirma Institute of Technology (2005 Batch)