

# Pravallika Regalla

AI-Assisted Full Stack Engineer · Angular · .NET Core · Azure

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## PROFESSIONAL SUMMARY

AI-Focused Full Stack Developer with **3.5 years** building scalable **pharmacy ecosystem** — PMS, inventory management via wholesale market integration, POS for checkout, and patient app — using Angular, TypeScript, C#, and .NET Core. Skilled at leveraging AI tools across the development lifecycle to craft high-performance, PWA-ready interfaces with modular architectures. Proven track record shipping reliable, production-grade software end-to-end in Agile teams.

## TECHNICAL SKILLS

<b>Frontend</b>	Angular (2-18+), TypeScript, RxJS, HTML5, CSS3 / SCSS, Bootstrap, Wijmo Grids, Responsive Design, PWA
<b>State &amp; Data</b>	NgRx patterns, RxJS Observables / Subjects, Angular Services, HTTP Interceptors
<b>Backend</b>	.NET Core, ASP.NET Web API, C#, RESTful Services, Microservices Architecture
<b>Databases</b>	SQL Server (Stored Procedures, Indexing, Views), Elasticsearch
<b>AI &amp; Tools</b>	Claude Code, Claude Opus, Gemini, ChatGPT, GitHub Copilot, Cursor, AI-Assisted Development, Prompt Engineering
<b>Testing</b>	Jasmine, Karma, NUnit, xUnit
<b>Cloud &amp; DevOps</b>	Azure, Azure DevOps CI/CD, Azure App Services, Azure Blob Storage
<b>Dev Tools</b>	VS Code, Visual Studio, Git, Jira, Postman, Swagger, Chrome DevTools

## PROFESSIONAL EXPERIENCE

### Software Engineer — AI-Focused Full Stack Developer

Apr 2025 — Present

*Redsails Technologies · New York, USA*

- Lead end-to-end product feature delivery across the **pharmacy ecosystem** — **PMS, inventory management via wholesale market integration, POS for checkout, and patient app** — from user interface through backend services and data layers.
- Delivered core product features end-to-end — two-way patient-pharmacist chat with image sharing, and complete payment flows spanning PMS cloud, POS, and patient mobile app.
- Engineered an end-to-end ASAP file generation and PDMP compliance system, ensuring accurate prescription reporting and regulatory adherence — including an automatic ASAP scheduler with timely notifications to resolve compliance issues.
- Drove platform-wide performance optimization for high-traffic screens; also part of broader product areas including facility management, multitenant reporting, 340B program support, compounding RX, and market-facing modules.
- Leverage AI tools (Claude Code, Claude Opus, Gemini, ChatGPT, GitHub Copilot, Cursor) throughout the development lifecycle to accelerate delivery and improve code quality.
- Partner with product, design, and QA teams in Agile sprints to scope, build, and ship reliable software releases; manage automated build, test, and deployment pipelines for production.

### **Project: AI Quiz Platform — Internal Team Tool**

- Designed and built a fully functional AI-powered quiz web application from scratch using Angular and AI-assisted development tools — from requirement gathering to live deployment in just 2 days, hosting live interactive sessions for **300+ participants** simultaneously.

- Built key engagement features including real-time leaderboards, animated question boards, team rotation logic, and tiebreaker flows — leveraging AI tools throughout for component generation, logic optimization, and UX improvements.

## UI/UX Developer

Jun 2021 — Aug 2023

*Sails Software Solutions · India*

- Designed and built user-friendly web interfaces for a large-scale pharmacy management platform.
- Created a shared design system of reusable UI components, improving consistency and development speed across the team.
- Translated business requirements and user needs into clean, accessible product experiences.
- Built delivery and shipping workflow features that supported reliable order fulfillment from pharmacy to patient.
- Improved page load performance and overall responsiveness across data-heavy screens.
- Modernized older sections of the platform with newer technology, without disrupting day-to-day users.
- Wrote tests to catch issues early and partnered closely with backend engineers, product, and QA in Agile sprints.

## EDUCATION

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### Master of Science — Computer Science

GPA 3.9 / 4.0

*Sacred Heart University · Fairfield, CT · Aug 2023 — Dec 2024*

Coursework: Data Structures, Database Systems, Software Engineering, Cloud Computing, Web Application Development.

### Bachelor of Technology — Computer Science Engineering

GPA 8.3 / 10

*IIIT Nuzvid · Andhra Pradesh, India · 2017 — 2021*

Coursework: OOP, Operating Systems, Computer Networks, DBMS, Software Development Life Cycle.

## CERTIFICATIONS

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**Google UI/UX Design Professional Certificate**

Google · Coursera

**Meta Front-End Developer Professional Certificate**

Meta · Coursera