

KIRAN PRAMOD WAGH

Technical Lead | Full-Stack Engineer (.NET + Vue.js) | Remote
Nashik, India (IST, UTC+5:30) • 09559kiran@gmail.com • linkedin.com/in/kiran-p-wagh

PROFESSIONAL SUMMARY

Technical Lead and full-stack engineer with 10+ years of experience across .NET (C#) and Vue.js, currently leading front-end and back-end development on a large-scale hospital results and order management platform for a UK healthcare client. Own technical decisions across a microservice architecture, ship measurable API performance improvements, and mentor developers on a distributed Agile team. Domain experiences spans healthcare IT, pharmaceutical serialization / track-and-trace, and machine-vision inspection. Travelled onsite to customer facilities in the UK, Germany, and the UAE to troubleshoot live production issues, manage client relationships, and deploy systems for new customers.

TECHNICAL SKILLS

Languages & Frameworks: C# / .NET (Core, 6, 8), ASP.NET MVC, Blazor, Vue.js 2, JavaScript, HTML5, CSS3, C / C++, Dart

Back-End & APIs: REST APIs, ASP.NET Core Web API, Microservices, SignalR, HL7 messaging, API performance tuning & profiling, TCP / serial communication

Front-End: Vue.js, Blazor, Progressive Web Apps (PWA), Flutter, responsive / cross-platform UI

Databases: SQL Server (2014–2019), MySQL, T-SQL, stored procedures

Tooling: CI/CD pipelines, Git, Firebase, Visual Studio, VS Code, Android Studio

Remote Collaboration: Distributed Agile delivery across IST/GMT, async technical documentation, remote code review, remote onboarding & knowledge transfer

Leadership: Technical decision-making, mentoring & onboarding, client-facing requirements, UI architecture

PROFESSIONAL EXPERIENCE

Technical Lead | Wipro (formerly Harman Connected Services)

May 2022 – Present

Fully distributed delivery — Pune-based team building for a UK healthcare client across a 4.5-hour time-zone gap. Continued on the OCRR platform after the business unit moved from Harman to Wipro; same product, expanded leadership scope.

- **Lead full-stack development of OCRR** (Orders Communication & Results Reporting), a progressive web application for hospital results and order management, serving clinicians across desktop, tablet, and iPad at 12+ NHS trust sites and 6+ clinical roles.
- **Operate as the senior technical voice on a distributed team:** partner directly with the UK client in requirement-planning meetings, drive UI architecture from those requirements, document service architecture and API behaviour across 7+ services for team use, and onboard new developers through structured knowledge transfer.
- **Own end-to-end technical decisions** across a distributed 7+ microservice architecture and the Vue.js front end, from UI architecture to REST API design.
- **Built and extended 35+ REST endpoints** across the Order, Order App, Collection, and Results services — covering batch order lists, filter-criteria APIs for collection workflows, client configuration, and contact capture — along with the supporting T-SQL stored procedures.
- **Implemented claims-based authorization** across order operations (place, cancel, authorise, rule-check), and built endpoints on the backend-for-frontend (BFF) layer that aggregate multi-service data into single client-facing responses.
- **Engineered location-aware request routing** for emergency-department and inpatient episodes, including the batch job that processes patient-location data, and integrated third-party systems (Docman specimen printing, GS1 QR scanning) into the order workflow.
- **Shipped 4 production API performance optimizations:** replaced 13 sequential order calls with one batch endpoint, cut a results API response by ~3 seconds under load testing, collapsed N+1 result-detail and clinician-comment calls into a single batch response, and eliminated silent URL-truncation failures on 3,600+ record queries.
- **Architected a batch results-count endpoint** (contract, parameters, response format) that a teammate implemented, removing N+1 calls causing ~1.9s worklist latency for just 5 patients.
- **Diagnosed 1 critical production failure:** an order-placement API failing 100% under concurrent load (root-caused to a database deadlock, disabled cache, and redundant queries).

- **Designed and built a clinical rules engine** (4 rule types across 4 categories) enabling real-time patient-safety validation on web, mobile, and iPad — applied to every diagnostic order placed across 11 sites.
- **Resolved 60+ production defects**, including 7 highest-severity (P1) blockers and two formally classified clinical-safety hazards for data integrity and result misinterpretation.
- **Delivered core clinical workflows end-to-end** — Cancel / Authorise Order, Take Sample specimen collection with label print / reprint, and results viewing — with claims-based access control and HL7 message handling.

Software Engineer | Propix Technologies, Pune

June 2016 – May 2022

Industrial software for pharma manufacturing and serialization clients.

- **Onsite client delivery (UK, Germany, UAE)** — Diagnosed and resolved production-line software issues at customer facilities, acted as the direct technical contact for client stakeholders, and commissioned systems for new customer installations.
- **GetCode Camera WebView** — Built a .NET 6 Blazor Server app hosted on-camera for live settings control and image viewing; streamed images over SignalR, bridged C# with a C++ library, and implemented TCP communication with client systems.
- **Akshat (Level 2)** — Built C# printing-and-inspection software for pharma production lines: integrated multiple Cognex cameras and printers over Ethernet, controlled conveyors via serial communication, and implemented barcode / DataMatrix inspection with automated tamper-label verification and reject handling.
- **TRACKnTRACE Life Science (Level 3)** — Developed master-data modules (product, user, compliance) in ASP.NET MVC / C# on SQL Server for pharmaceutical serialization, including regulatory-compliance features and report generation.
- **TRACKnTRACE Mobile App** — Solely designed, built, and published a Flutter (Dart) app that scans multiple barcode types and retrieves code information through a Web API.

PERSONAL PROJECTS (SELF-BUILT, DEPLOYED, AND LIVE)

- **Nutrition** — AI-powered calorie and macro tracker that parses meals from photos or natural-language descriptions; integrates a vision/LLM API with a JavaScript front end. In daily personal use. nutrition.satwiklabs.com
- **Paisa** — Income and expense tracker on a Firebase backend with authentication, real-time sync, and reporting. In daily personal use. paisa.satwiklabs.com
- **Quotation** — Quotation and invoice generation with status tracking, built to a family member's requirements in place of a subscription tool. quotation.satwiklabs.com
- **Voice** — Speech front-end for the applications above and the shared service layer they call for model work; the apps call Voice, Voice calls the LLM, and provider keys stay server-side in environment variables. voice.satwiklabs.com

EDUCATION

Bachelor of Engineering (B.E.), Computer Engineering

2015

Government College of Engineering, Jalgaon — North Maharashtra University