



ElectraWireless AI Platform

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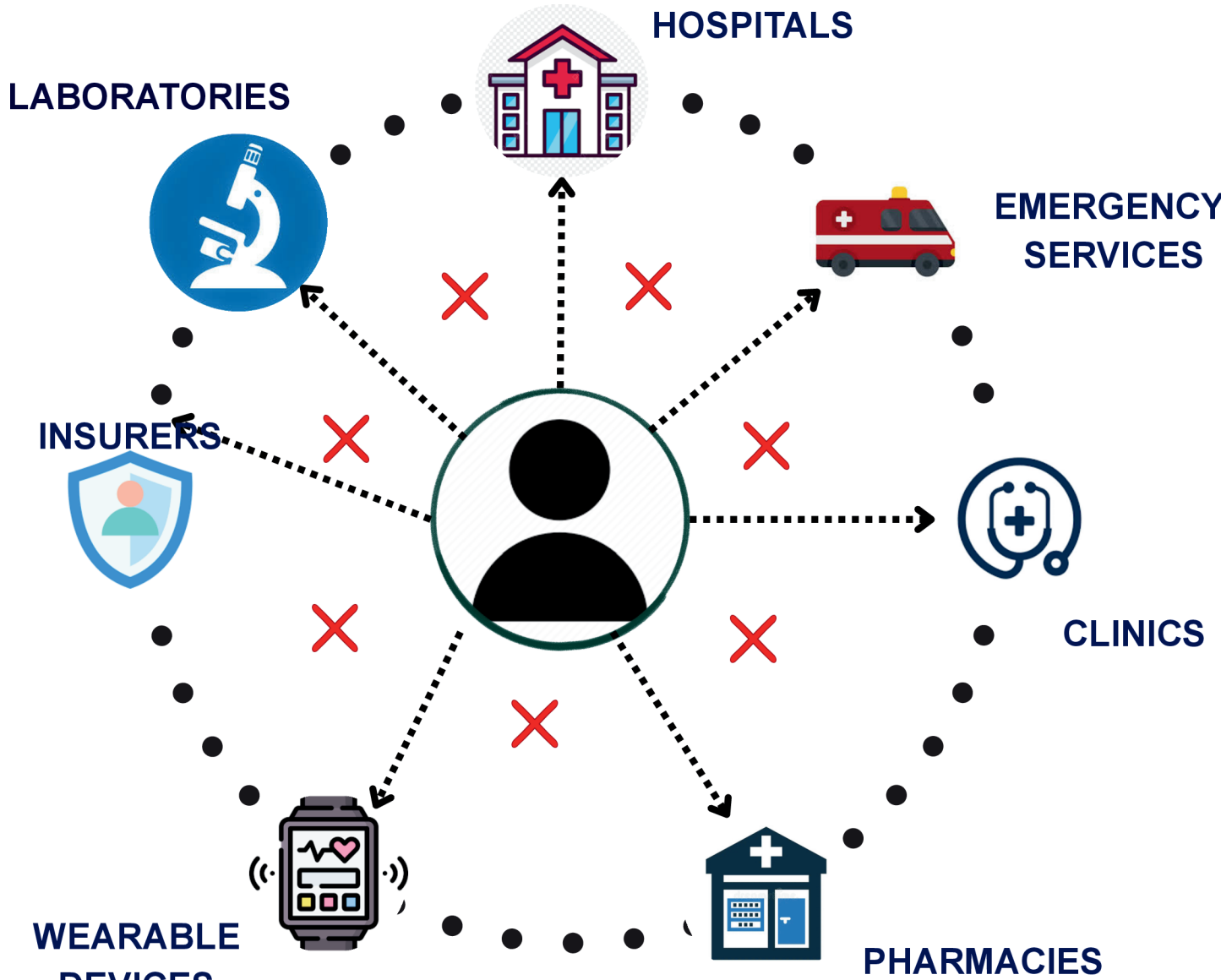


SCAN FOR MORE INFORMATION

BACKGROUND & MOTIVATION

Healthcare data is often fragmented across hospitals, clinics, laboratories and pharmacies. This can result in incomplete patient information, duplicated processes, delayed decisions and poor coordination between healthcare providers.

ElectraWireless AI aims to create a connected healthcare ecosystem where shared digital services, real-time communication and assistive intelligence support more coordinated and patient-centred healthcare.



FRAGMENTED HEALTHCARE ECOSYSTEM

OBJECTIVE

- 01

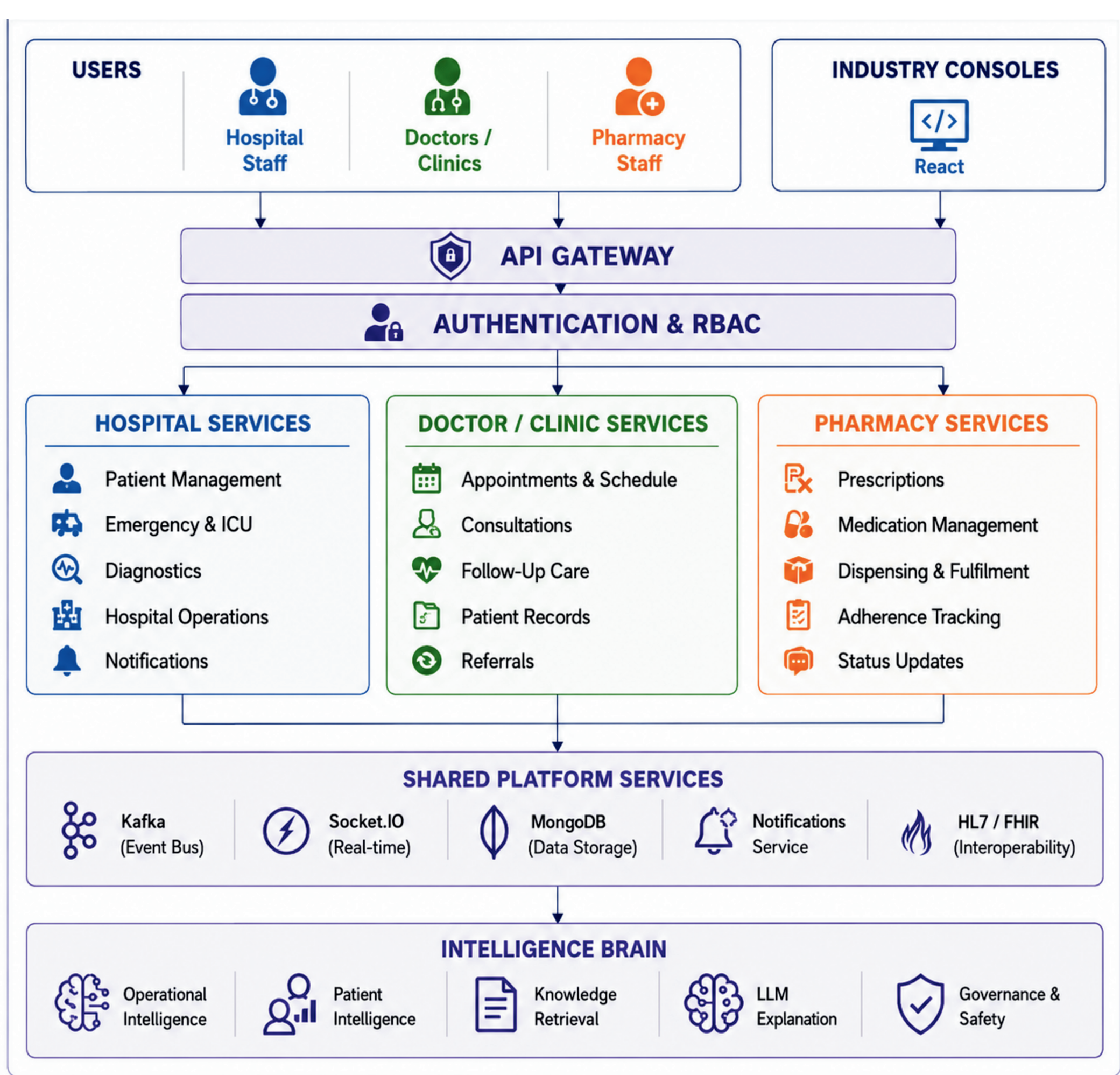
Connect Healthcare Services
Integrate Hospital, Clinics/Doctors and Pharmacy through shared platform services.
- 02

Support Cross-Industry Workflows
Enable consistent appointments, patient information, referrals, prescriptions and healthcare status updates.
- 03

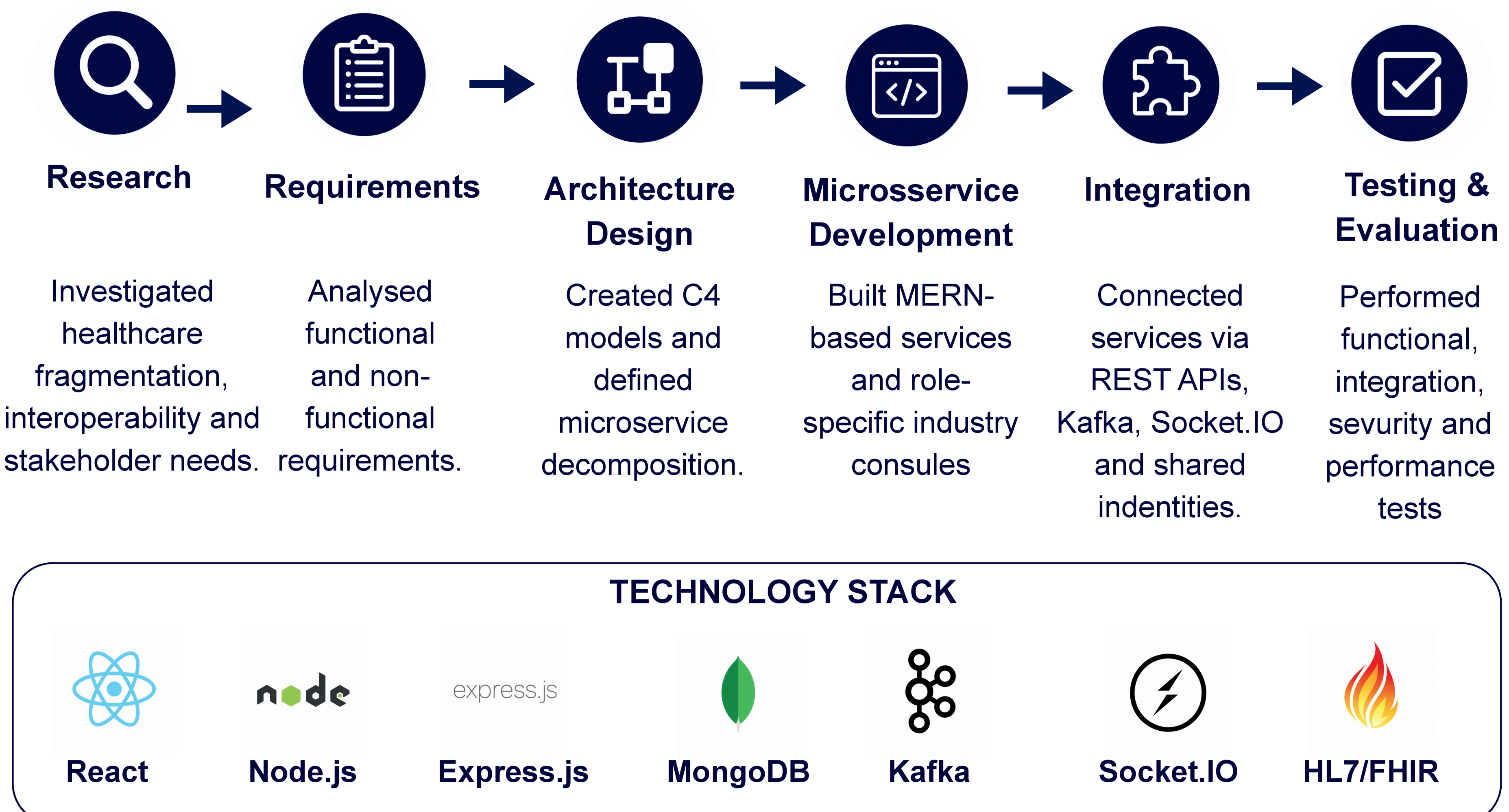
Provide Real-Time Intelligence
Support alerts, operational monitoring and evidence-grounded assistive intelligence.
- 04

Build a Scalable & Secure Platform
Use microservices, role-based access, interoperability and event-driven communication.

SYSTEM ARCHITECTURE



METHODOLOGY



KEY FEATURES & RESULTS

Emergency & ICU Monitoring Real-time emergency events, patient status and priority alerts.	Appointment & Scheduling Create, reschedule and manage appointments and availability.	Patient & Consultations Access patient data, complete consultations and maintain consultation history.
Follow-Up Care Access patient data, complete consultations and maintain consultation history.	Diagnostics Record diagnostic information and results linked to patient workflows	Healthcare Intelligence Operational insights like department pressure, capacity planning, executive summary and more.

CONCLUSIONS

ElectraWireless AI demonstrates a connected healthcare platform that integrates hospital, clinical and pharmacy workflows through shared services and real-time communication. The platform combines microservices, shared healthcare identity, interoperability and assistive intelligence to improve information continuity and operational visibility while keeping healthcare professionals responsible for final decisions.

FUTURE WORK

Expand Industry Coverage Integrate laboratories, insurers, telemedicine, and additional healthcare organizations.	Ecosystem Expansion Extend platform to support a wider global healthcare intelligence ecosystem.	Advance Intelligence Improve predictive and contextual intelligence while maintaining explainability and human oversight	Improve Interoperability Expand HL7/FHIR support and integration with external healthcare systems.
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