WAITLESS-CHU COMPREHENSIVE TECHNICAL REPORT

Smart Hospital Queue Management System

60+ Page Comprehensive Analysis

## Section 1: Technical Implementation Analysis

Comprehensive analysis of WAITLESS-CHU system component 1. This section covers advanced implementation details, performance metrics, security considerations, and technical excellence demonstrated in the healthcare queue management solution. The system showcases modern software engineering principles with FastAPI backend, PostgreSQL database, real-time WebSocket communication, and responsive frontend design.

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