

Christian Guajardo Farías

Registered Nurse · MSc Digital Health · Digital Health Solutions Developer

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PROFESSIONAL PROFILE

Registered Nurse and MSc in Digital Health with 5+ years of experience in high-complexity units (ICU, Critical Care, Emergency). Specialist at the intersection of clinical practice and digital transformation, with hands-on experience developing digital health solutions focused on patient safety, interoperability, and clinical data management. International academic background (Germany) combined with applied research and product development in healthcare.

WORK EXPERIENCE

Universidad de Talca — Chile

June 2025

Guest Lecturer — Research Methodology

- Delivered two sessions on Research Methodology for undergraduate Nursing students.
- Reviewed and provided feedback on student thesis projects.

Clínica Alemana de Santiago — Chile

2021 – 2023

Clinical Nurse, Critical Care Unit (CCU) — Acting Charge Nurse

- Managed 2–4 critically ill patients in a 12-bed unit, including invasive mechanical ventilation (IMV), invasive hemodynamic monitoring, and vasoactive drug administration.
- Served as acting charge nurse in intermediate care, coordinating admissions, discharges, and care continuity.
- Active participation in JCI accreditation process and internal quality audits.
- Onboarding and training of new nursing staff on clinical protocols and HIS documentation.
- Supported standardization of clinical procedures and electronic health record updates.

Hospital Metropolitano de Santiago — Chile

2020 – 2021

Clinical Nurse, ICU

- Joined the unit at its opening: contributed to structural organization, clinical workflows, and initial staffing setup.
- Managed 2–3 patients in a 10-bed ICU; IMV, non-invasive ventilation, and vasoactive drugs.
- Applied and supervised clinical assessment protocols.
- Implemented COVID-19 protocols, biosafety measures, and remote monitoring workflows for national health authority (Minsal) reporting.

Hospital Regional de Talca — Chile

2019 – 2020

Emergency Room Nurse

- Rotated through triage, resuscitation, outpatient, traumatology, and pre-admission units.
- Stabilized patients in general and trauma emergencies; coordinated transfers to critical care.
- Contributed to early COVID-19 emergency response protocols.

Independent Consultant

2019

Project Manager — Public Funding / FNDR Security Program

- Formulated, submitted, and secured projects funded through competitive public grants.
- Developed territorial assessments, objectives, KPIs, budgets, and administrative follow-up.

TECHNOLOGY PROJECTS

Sístola — Hypertension Monitoring App

2026

Developer · Android Application

Mobile application built with Expo/React Native for comprehensive hypertension management. Tracks and correlates blood pressure, stress levels, sleep quality, and medication adherence through a contextual AI engine (Claude API) that generates personalized alerts and recommendations based on the user's clinical variables.

Centinela — Predictive Clinical Management Platform

2026

Developer · HealthTech Web Platform

Web platform designed for hospital managers and clinical directors to support data-driven decision-making. Features AI-powered prediction of length of stay (LOS), ICU admission risk, and automated analysis of clinical datasets with executive report generation.

Oztrack — GLP-1 Companion App

2026

Developer · Android Application

Mobile app for patients on GLP-1 medications (semaglutide, tirzepatide). Tracks weight, symptoms, doses, and nutrition. AI coach provides personalized weekly insights by correlating all logged variables.

Nexus Scanner — LoL Stats Tracker

2026

Developer · Web Application

Single-file League of Legends stats tracker. Custom scoring system with letter grades (S+→F) weighted by role and elo, match history, champion analysis, team chemistry, multi-region support and AI-powered analysis.

EDUCATION

TH Deggendorf — Germany

2023 – 2025

Master of Science in Digital Health

Mixed-methods thesis with applied fieldwork: «The state of digital health education in a nursing program, Maule Region, Chile: a case study». Program covered HIS systems, clinical interoperability, health data analytics, telemedicine, innovation management, and continuous improvement in healthcare services.

Universidad de Talca — Chile

2014 – 2018

Bachelor of Science in Nursing

CERTIFICATIONS

Diploma in Critical Care Nursing	2020
Google Data Analytics Certificate	2026
Google Cybersecurity Certificate	2026
Python Certification	2025
ACLS	2026

IAAS (120 hrs)

SKILLS & COMPETENCIES

Digital Health & Innovation	HIS · HL7/FHIR · Telemedicine · Digital transformation
Technology Development	React Native · Expo · Vanilla JS · HTML/CSS · Python · AI APIs
Clinical Leadership	Charge nurse · Staff training · JCI accreditation
Quality & Management	Clinical protocols · Workflow optimization · Auditing
Research & Teaching	Research methodology · Applied digital health research

LANGUAGES

Spanish	Native
English	Advanced (C1)
German	Basic (A2)