

GERMAN CASTRO

Frontend & Flutter Developer

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PROFESSIONAL PROFILE

Specialized in Vue.js/Nuxt.js and Flutter. I have worked remotely with international companies developing scalable digital solutions, from enterprise applications to social impact products. My focus is on creating intuitive experiences that solve complex problems and generate real value.

WORK EXPERIENCE

Frontend & Mobile Developer BluePal

2025 - Present USA | Remoto

Health tech startup focused on autism spectrum assistance, developed by parents, therapists and specialists to provide comprehensive support to families and RBT/BCBA professionals.

- Developed comprehensive Flutter mobile application with 24/7 conversational AI for specialized autism assistance, centralizing resources for parents and specialists.
- Implemented social authentication system (Google, Apple) and premium subscriptions with personalized push notifications for daily tips.
- Created specialized educational hub with videos and RBT study tools, combining education, community and assessment tools in a single platform.
- Developed conversion-optimized landing page with Astro focused on SEO and user acquisition maximization.

Frontend Developer Bjumper

2022 - 2024 España | Remoto

Technology company specialized in data center automation with 10+ years of experience in Spain, Chile and Latin America, focused on disruptive products for critical IT infrastructure managers.

- Built advanced executive dashboards with AI/GAI analysis and Business Intelligence interfaces for automatic anomaly detection, improving strategic decision-making and anticipating failures before business impact.
- Developed robust web ThinkData platform with Vue.js/Nuxt.js, for automated IT asset digitization, reducing inventory errors by 80%.
- Built cross-platform mobile application in Flutter with NFC-based unique asset identification, optimizing physical audit processes.
- Implemented offline-first architecture with intelligent automatic synchronization, ensuring operational continuity without connectivity dependency.

EDUCATION

Graduate in Computer Engineering

Universidad Peruana Unión

2018

KEY STRENGTHS

- ✓ 6+ years of international remote work experience
- ✓ Specialization in complex enterprise applications and social impact products
- ✓ Proven experience in diverse sectors: data centers, construction, automotive, digital health
- ✓ Expertise in AI applications, subscription systems and advanced IoT technologies
- ✓ Ability to lead complete product development from conception to launch

TECHNICAL COMPETENCIES

Vue.js	Nuxt.js	TypeScript
JavaScript	Tailwind CSS	
Astro	Svelte	React
Angular		

Flutter	Dart	
Cross-platform Development		
iOS	Android	

WORK EXPERIENCE



Frontend Developer

TycheTools

2020 - 2024 España | Remoto

- Company specialized in AI and predictive analytics for data center operators and critical infrastructures. First AI-powered SaaS platform for automated environmental management, awarded 'Sustainability Product of the Year 2020'.
- Developed complete ECOaaS® platform with Vue.js/Nuxt.js and amCharts for automated data center environmental management, contributing to 40% reduction in energy consumption.
 - Implemented custom dashboards with thermal predictive analytics handling +500 simultaneous IoT sensors in real-time, visualizing temperature, humidity and energy metrics.
 - Integrated REST APIs for AI and predictive machine learning model visualization, creating responsive interfaces for non-intrusive critical infrastructure monitoring.
 - Built Flutter mobile application with Bluetooth connectivity and NFC integration for plug-and-play IoT sensor configuration, enabling operational installations within hours.



Frontend Developer & Mobile Developer

HOP Integrators inc.

2023 - 2024 USA | Remoto

- Construction and infrastructure company specialized in electrical services, directional drilling, aerial construction and BDA systems. Leader in telecommunications and electrical infrastructure projects with cutting-edge technology.
- Developed complete web platform with Vue.js/Nuxt.js for centralized management of multiple simultaneous construction and infrastructure projects.
 - Implemented Flutter mobile application 'HOP Workforce' with REST API integration for field employee control and on-site hours tracking.
 - Created management system for directional drilling and aerial construction services with roles, permissions and real-time tracking.
 - Optimized interfaces for efficient resource allocation in telecommunications projects, improving operational efficiency.



Mobile Developer

Rodgal

2022 - 2023 Ecuador | Remoto

- Third-generation family business specialized in importing and trading heavy vehicle parts (trailers, truck heads, semi-trucks). Market leader in Ecuador with extensive catalog of renowned brands like Mack, Freightliner, Volvo, International and Kenworth.
- Developed Flutter mobile application for complete digital auto parts catalog, digitizing inventory and improving B2B purchase experience.
 - Implemented advanced search system and filters by brand and model with real-time inventory synchronization via REST APIs.
 - Created integrated ordering and commercial management system for employees and wholesale clients, streamlining the commercial process.
 - Optimized inventory management and order tracking functionalities for specialized heavy vehicles.

TECHNICAL COMPETENCIES

RESTful APIs

Third-party Service Integration

Bluetooth Low Energy NFC

Sensores Gateways

Firebase Supabase

Cloud services integration

Payment systems

Push Notifications

Google Maps

Social Authentication

Git Visual Studio Code

Agile Methodologies

PROYECTOS DESTACADOS

BluePal: Autism Assistant App

📅 2025 - Present 📍 USA

🔗 <https://www.bluepal.app/>

Comprehensive mobile app with 24/7 conversational AI for autism assistance, targeted at parents, caregivers and RBT specialists. Includes social authentication, subscriptions, social community, daily tips, educational hub and assessment tools.

ECOaaS - TycheTools

📅 2020 - 2024 📍 TycheTools

SaaS platform for automated environmental management of data centers with thermal predictive analytics. Handles +500 simultaneous sensors, PUE optimization, dynamic load balancing and IoT device configuration.

TakeData

📅 2022 - 2024 📍 Bjumper

🔗 <https://www.bjumper.com/takedata>

Complete web + mobile solution for automated IT asset digitization with NFC technology, offline capabilities and lifecycle traceability of critical equipment in distributed data centers.

ThinkData

📅 2022 - 2024 📍 Bjumper

🔗 <https://www.bjumper.com/thinkdata>

SaaS system with AI/GAI for data center automation that integrates multiple sources (DCIM, ITSM, BMS) providing executive dashboards for business decisions and unified management of distributed infrastructures.