

DAVID SÁNCHEZ DE GROEVE

Staff / Lead AI Software Engineer & AI Solutions Architect

Riyadh, Saudi Arabia | +966 50 791 3514 | davidsanchezdegroove@gmail.com | linkedin.com/in/davidsanchezdegroove

EXECUTIVE SUMMARY

Results-driven Staff/Lead AI Software Engineer and AI Solutions Architect with 20+ years of technical leadership, enterprise system delivery and hands-on AI execution across the Middle East and Europe. Expert in bridging high-level system architecture with production-grade AI engineering — integrating generative AI toolchains, LLM-assisted pipelines, agentic frameworks and multi-agent workflows to compress software delivery lifecycles by up to 10x. Guest lecturer on AI-augmented development at King Saud University. Proven record architecting high-availability platforms, executing zero-downtime infrastructure migrations, and scaling engineering teams within strictly regulated environments (SAMA, CITC, NDPL, GDPR).

CORE TECHNICAL COMPETENCIES

- **AI Engineering & Architecture:** AI-Augmented Software Development, Cursor, GitHub Copilot
- **Agentic & AI Frameworks:** Model Context Protocol (MCP), Prompt Engineering, LLM APIs, Rapid MVP Prototyping
- **Modern Web & Cloud-Native Stack:** React.js, Next.js, Node.js, TypeScript, Docker, Kubernetes, CI/CD
- **Enterprise System Architecture:** High-Availability Financial Architecture (mada Payment Rails), API Integration Design, System Resilience
- **Technical Leadership:** Engineering Team Scaling (15 → 130+), Technical Mentorship, Agile/ITIL Governance
- **Regulatory & Compliance Engineering:** SAMA Frameworks, CITC Alignment, NDPL & GDPR Data Governance

PROFESSIONAL EXPERIENCE

Technical Director (AI Lead & Architect) — Rommaana (InsurTech Platform)

Mar 2023 – Jun 2026 | Riyadh, Saudi Arabia · Hybrid

- Architected end-to-end cloud-native systems and secure API integrations using React.js, Next.js, Node.js and TypeScript.
- Led IT project execution and DevOps operations, establishing automated CI/CD pipelines and containerized deployments using Docker and Kubernetes.
- Implemented generative AI frameworks and modern AI toolchains to streamline engineering workflows, significantly accelerating MVP delivery and prototyping cycles.
- Ensured regulatory compliance with SAMA, CITC and NDPL standards through secure enterprise architecture and data handling pipelines.

Service Operation Manager — Saudi Payments (mada National Payment System)

Mar 2020 – Mar 2023 | Riyadh, Saudi Arabia

- Directed operational metrics and capacity planning for multi-million SAR daily financial pipelines.
- Orchestrated data center migration to KAFD under strict risk isolation frameworks — zero operational downtime.
- Established the executive KPI framework used by SAMA and the Board.

Head of Operations — BNP Paribas (26 Countries)

Sep 2015 – Mar 2020 | Madrid, Spain

- Centralized pan-European service operations into a Madrid-based hub, scaling the team from 15 to 130+ engineers.
- Reduced major system incidents by over 35% while maintaining 99.9% application availability.

Guest Lecturer & Workshop Leader — King Saud University & Saudi Educational Ecosystem

Ongoing | Riyadh, Saudi Arabia

- Designed and delivered masterclasses (e.g. "MVP in a Day: Speed to Prototype") on rapid prototyping, prompt engineering and AI-augmented developer toolchains.

SELECTED PROJECT

KSAVerified — Digital Presence & Verification Platform — Associated with Rommaana

Mar 2026 – Present | Riyadh, Saudi Arabia

- Engineered the core architecture and automated web deployment engine for a platform helping Saudi SMEs establish digital presence and verified visibility.

EARLIER PROFESSIONAL FOUNDATION

IT Team Lead — International Air Transport Association (IATA), Madrid | Feb 2009 – Sep 2015

Service Desk Technician — Natixis, Madrid | Mar 2007 – Dec 2008

Assistant Manager IT — Banco Santander, Madrid | Nov 2006 – Mar 2007

Service Desk Manager — Grupo Zeta, Madrid | Oct 1998 – Oct 2006

CERTIFICATIONS

- Project Management Professional (PMP)®
- ITIL® Expert / Capability Certifications
- Kanz AI Training Hackathon — Certificate of Course Participation

LANGUAGES

Spanish (Native/Bilingual) • English (Full Professional) • French (Professional Working) • Arabic (Elementary)