FORENSIC TECHNICAL CURRICULUM VITAE

Diego de Queiroz Macedo

Court-Appointed Technical Expert & IT Expert Witness • Based in São Paulo / Barueri, Brazil (remote worldwide)
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EXECUTIVE SUMMARY

Master of Science in Electrical Engineering (Digital Systems) from the Polytechnic School of the University of São Paulo (Poli/USP), Bachelor of Science in Computer Science, and Bachelor of Laws (non-practicing; no bar registration). Over 20 years of experience in software engineering, large-scale distributed systems architecture, and digital platforms, acting as a court-appointed technical expert and party-appointed expert witness with strict focus on data traceability and reproducible methodology.

ACADEMIC BACKGROUND

- **M.Sc. in Electrical Engineering, Digital Systems** (2011). Polytechnic School of the University of São Paulo (Poli/USP). Research focus: Artificial Intelligence.
- **LL.B. (Bachelor of Laws)** (2021). Universidade Nove de Julho (Uninove). Legal training focused on procedural literacy; does not hold bar admission (OAB) and does not practice law.
- **B.Sc. in Computer Science** (2008). Universidade Nove de Julho (Uninove).

PROFESSIONAL EXPERIENCE & TEACHING

- **Executive leadership and principal engineering across large-scale platforms (20+ years):** previous experience as Head of Engineering at TOTVS and Software Expert at Mercado Libre (2021 to 2026), leading mission-critical architecture, high availability, messaging pipelines, large-scale data processing, and technical governance.
- **Academic teaching:** lecturer in the Continuing Education Program at Poli/USP (PECE/Poli-USP) MBA courses and at Universidade Nove de Julho (Uninove), teaching Programming, Databases, Computer Networks, Distributed Systems, and Artificial Intelligence.

FORENSIC AREAS OF EXPERTISE

- **Enterprise Systems & Software:** software delivery audits, ERP/SaaS implementations, architecture quality, SLA availability, system failures, and technical defect assessment.
- **Data, Logs & Transaction Volume:** examination of application logs, APIs, messaging queues, transaction records, and reconciliation of billing ledgers.
- **Intellectual Property & Source Code:** comparative source code analysis, authorship verification, structural reuse detection, and AI solution audits.
- **Security & Digital Incidents:** unauthorized access tracing, forensic artifact analysis in corporate environments, and digital evidence integrity verification.

METHODOLOGY, CHAIN OF CUSTODY & GOVERNANCE

- **Traceability and reproducibility:** every calculation, dataset filter, or log extraction presented in an expert report or opinion is documented with data provenance and reproducible verification steps.
- **Chain of custody and data protection:** preservation of digital evidence with cryptographic hashing (SHA-256) and strict data minimization in compliance with Brazil's General Data Protection Law (LGPD).

- **Technical impartiality:** whether acting as court-appointed expert or party-appointed expert witness, analysis remains strictly grounded in verifiable technical facts without invading legal determinations reserved to the court or arbitral tribunal.

> Concise institutional curriculum vitae for judicial appointment review or expert witness designation. Certified academic credentials and full registration details are provided directly in court records or upon formal request at diego@diegoqueiroz.com.br.