



Edinaldo Sá

Senior Software Engineer · Solutions Architect · Information Security Specialist

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ENNEAL

Founder, Enneal

PROFILE

Senior software engineer and solutions architect with 16+ years in software (15+ as a freelancer) across finance, insurance and pensions, telecom, energy, media and IT consulting. Hands-on in C#/.NET (ASP.NET Core since 1.0), React/Angular and SQL Server/Oracle PL/SQL, with a strong security record: 80% fewer vulnerabilities at Ebix; Cyber Essentials Plus (2025) and an A+ security rating at Visian Systems. Team lead and technical leader (Scrum, Kanban, API/ERP integration, Azure). Founder of Enneal IT (ESA Soluções em TI, 2018), five products launched in 2026. Warsaw, on-site and remote.

80% fewer vulnerabilities (Ebix)

Cyber Essentials Plus (2025), zero vulnerabilities, A+ (Visian)

99.9% uptime on critical systems (IK Solution)

+30% efficiency via TOTVS ERP integration (Teledata)

-40% downtime via automation (ECC Informática)

Live-TV game still on air (Globo)

CORE SKILLS

Back end	C#, .NET Core, ASP.NET MVC, VB.NET, ASP Classic, Java (JSP), PHP (Zend, Symfony), Node.js
Front end	TypeScript, JavaScript, React, Angular, HTML5, jQuery
Databases	SQL Server (T-SQL), Oracle (PL/SQL, Forms, Reports), MySQL, DB2, Informix, Access
Cloud & DevOps	Azure (Functions, Service Bus), AWS, Docker, Kubernetes, Linux, Git, Jenkins
Security & compliance	Vulnerability remediation, Checkmarx (SAST), DAST, SCA, threat modelling, OAuth2/OIDC, ISO/IEC, CMMI
Architecture & integration	Enterprise architecture, REST APIs, Kafka, SAP S/4HANA, TOTVS, OutSystems, SharePoint, BPMS
AI-assisted development	Claude (Claude Code and API), Cursor, Codex
Leadership & delivery	Team leadership, Scrum, Kanban, project/risk/vendor management, AS-IS/TO-BE, BPMN, UML
Languages	Portuguese (Native) · English (Fluent) · Polish (A1) · Spanish (A1)

PROFESSIONAL EXPERIENCE

Founder

2018 – Present

ESA Soluções em TI (Enneal IT) · São Paulo, Brazil

- Own company (brand Enneal IT): custom software development and vulnerability remediation.
- Five products launched in 2026: Enneal PDV (multi-tenant POS, .NET 10), Enneal Learning (multi-tenant course SaaS, .NET 8, strict CSP/SRI/HSTS), Enneal LIMS (145 automated tests), Enneal Fit and Enneal Fighter.

STACK C#, .NET 10 / .NET 8, ASP.NET Core MVC, EF Core, SQL Server, ASP.NET Identity, xUnit, Docker

Software Engineer

Jan 2023 – Present

Visian Systems · England, United Kingdom

- Took the client to **Cyber Essentials Plus (2025)**, zeroed all vulnerabilities and brought the project to an **A+ security rating**.
- Maintain legacy Java JSP systems in production; 24/7 care of the servers and all Docker containers.
- MySQL schema design, query optimisation and performance analysis; Docker-based solutions improving deployment.

STACK Java (JSP), Docker, MySQL, Linux, Application Security

Senior Software Engineer

Apr 2022 – Nov 2022

Globo (Estúdios Globo) · Rio de Janeiro, Brazil

- Led development of entertainment systems for high-profile TV shows. Built "Sobe o Som" for Caldeirão do Mion, a fully stand-alone game (C#, SQL Server) that **runs live on TV and is still on air** in shows such as Big Brother Brasil and Caldeirão do Mion.
- Built BBB's real-time "Anonymous Message" feature (VB.NET, Access); maintained "No Limite" and "The Voice Brasil".

STACK C#, VB.NET, SQL Server, Access

Co-founder

Nov 2020 – 2021

MakerApps · Rio de Janeiro, Brazil

- Co-founded the company; co-developed a web app for small businesses (clients, products, loyalty cards, leads).

STACK C#, Node.js, React, SQL Server

Senior Software Engineer Team Lead

Jan 2020 – Nov 2023

Ebix Latin America · Rio de Janeiro, Brazil

- Led vulnerability identification and remediation for Prudential do Brasil and Bradesco Seguros with global teams: **80% fewer vulnerabilities**; on Prudential's team when it was named the most secure company in the world in the personal insurance sector.
- Managed the Vulnerability Systems team fixing Prudential US attack-test and Checkmarx findings, mostly by secure refactoring; owned production and staging.

- Rules-based decision-support system for insurance clients: **+25% decision-making accuracy** (ISO/IEC standards).

STACK C#, .NET Core, Angular, ASP Classic, APIs, COBOL, SharePoint, SQL Server, DB2, Oracle PL/SQL, ISO/IEC 15504, CMMI

Senior Software Engineer Team Lead

Jan 2019 – May 2024

IK Solution · Rio de Janeiro, Brazil

- Gathered requirements with business areas; AS-IS/TO-BE re-engineering with BPMS/workflow tools: **+20% operational efficiency**.
- Developed and supported critical back-end and database systems with **99.9% uptime**.
- Projects: energy-sector service orders; pension-system modules (Azure, Git); Universidade Estácio de Sá billing, incl. boleto generation from the SIA system (PL/SQL, ASP Classic).

STACK C#, .NET Core, PHP, Node.js, React, PL/SQL, ASP Classic, SQL Server, Oracle, Azure, Git, Jenkins

Senior Software Engineer / Technical Leader (PMO/PO)

Feb 2018 – Nov 2018

K2 Partnering Solutions · Rio de Janeiro, Brazil

- Led the technical team integrating OutSystems and SAP S/4HANA for a large financial project (client: FAPES/BNDES), streamlining financial processes, reducing operational costs and improving data consistency.
- PO of the loans area; managed the vendor's team, key users and timelines; QA of ERP modules; T-SQL/PL/SQL procedures.

STACK OutSystems, SAP S/4HANA, Lumis (Java), ASP Classic, SQL Server (T-SQL), Oracle (PL/SQL)

IT Manager

Oct 2013 – 2021

ECC Informática · Niterói, Brazil

- Managed IT infrastructure end to end (networks, hardware maintenance, software deployment): **-40% downtime** and faster response times through process automation and strategic upgrades.
- Led development of in-house systems for product inventory, client management and billing.

Senior Software Engineer

Jun 2013 – Feb 2018

Teledata Informações e Tecnologia S/A | Telecheque | MultiCrédito · Rio de Janeiro, Brazil

- Billing system for Rio and São Paulo (Oracle Forms/Reports, PL/SQL, PL/SQL Web); spearheaded the TOTVS ERP integration automating invoicing and financial processes: **+30% operational efficiency**.
- Multi-Business System (leads, prospects, scheduling): **+20% sales-team efficiency**; LPWeb Profit & Loss for the Teledata Group; member of the PMO implementation group (PMI).

STACK C#, ASP.NET MVC, Entity Framework 4.5, Oracle 10g, PL/SQL, TOTVS (RM), Stimulsoft, DNN

Senior Systems Analyst / Technical Leader

Jan 2011 – Jul 2017

Metatron

- Partner and technical leader (project risk); led the STI project-management system for Oi Telecom: **+25% project completion rates**.
- Requirements, UML (Enterprise Architect), specs, team management, QA and integrated testing (Quality Center, SoapUI).

STACK ASP Classic, VB.NET, C#, HTML5, JavaScript, Lumis, SQL Server, Oracle, PL/SQL

EARLIER ROLES

Senior Software Engineer, Provider IT (allocated at Unimed): web apps and integration web services (C#, PL/SQL).

May 2013 – Jun 2013

Systems Analyst, Valorem: web systems (ASP, C#, JavaScript) and SQL Server databases.

Senior Software Engineer, Funcab, Niterói: internal web applications (ASP, Visual Basic, Oracle, SQL Server).

Aug 2010 – Jan 2011

Software Engineer (Systems Analyst), Synapsis: AVL fleet and PowerOn monitoring (ASP Classic, PL/SQL, Magik).

2008 – 2010

RESEARCH

Research Scientist – Master's Student in Physics

Sep 2024 – Present

Faculty of Physics, University of Warsaw · Warsaw, Poland

- Solid-state physics: exfoliation and structural characterisation of 2D materials; SQUID, AFM and high-precision vacuum systems; cleanroom and glove box.

EDUCATION

Master's degree, Physics · Universidade Federal do Rio Grande (FURG)

Mar 2024 – Mar 2026

Master's in Computer Science – Computational Modelling · Universidade Federal do Rio Grande (FURG)

Aug 2023 – Dec 2025

Postgraduate Specialisation (Lato Sensu), Algorithms and Data Structures · Faculdade Focus

Jan 2021 – Mar 2022

Master's, Strategic Management in Software Engineering (IT) · Universidad Internacional Iberoamericana (UNINI)

2018 – 2021

Postgraduate Diploma, Finance · Faculdade Venda Nova do Imigrante (FAVENI)

2018 – 2021

Bachelor's in Information Systems (2021); Bachelor's in Systems Analysis (2019) · UNESA (Estácio de Sá)

Completed

CERTIFICATIONS & TRAINING

Certification: Microsoft Technology Associate (MTA): C# (2008) – two exams + C# project, Microsoft Students to Business (S2B)

Training: SAP (FI, CO, MM, PP, SD) · PMP course · Governance & Project Analyst · COBIT · ITIL · Webmaster C#.NET · Linux admin