

Douglas Soldan de Oliveira

AI and Automation Engineering

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Profile

I am Douglas Soldan, a software and AI engineer with a Mechanical Engineering degree from UNESP.

Today I build products and systems that connect software, data, automation and AI models. This background helps me work with both the people running a process and the people implementing its solution.

Skills

Python · TypeScript · LLMs · Tool use · Supabase/PostgreSQL · APIs

Selected projects

OR4CULO

Creation, architecture and implementation · Evolving system

A control plane with durable state in Supabase Postgres, a Manager Loop, routing and replaceable executors. Waiting tasks release capacity for independent work.

Buskee

Architecture, development and editorial experiences · Documented platform and previews

URL/RSS sources, analysis, rewriting, persistence and client-site experiences.

Professional experience

Zags Me / OR4CULO / Palpee / Buskee

2021–2026 · Independent products, software and AI

Concept, architecture and development of mobile/web products, automation and AI systems.

CR Caldeiraria

2026 · AI engineering · industrial automation

Application of Python and AI tools to document, CAD and bill-of-materials workflows.

OnSpot Travel Group

2024–2025 · Senior mobile engineering / technical leadership

React Native, navigation and state, authentication, internationalization and communication integrations.

Brilliant Machine / Supergasbras

2023–2024 · Senior mobile development

React Native architecture and development for a direct-sales application.

Yandeh

2022–2023 · Senior mobile development

Features, architecture and stability in the Salesforce Squad.

KahshLabs

2021–2022 · Tech Lead / software engineering

Leadership and React/React Native development for payment applications.

Accenture

2020–2021 · Software engineering consulting

Projects for Unilever and Santander: front-end development and React Native migration.

GE Energy

2015–2019 · Manufacturing / TCP engineering

Fixtures, processes, PLM and training for hydroelectric components.

Alstom Hydro

2011–2015 · Product and industrial engineering

Design-to-manufacturing integration, reusable 3D models and cutting optimization.

Liebherr Aerospace

2007–2011 · *CAD/CAM, processes and systems*

Inspection automation, ERP, manufacturing and internal systems.

INPE / UNESP · CNPq

2004–2006 · *Undergraduate research*

Scientific computing in FORTRAN and C; orbital dynamics and research subsequently published in 2007.

Education and research

Bachelor's degree in Mechanical Engineering — UNESP, 2003–2010.

Co-author: Irregular Satellites of Jupiter: a study of the capture direction. *Earth, Moon and Planets*, 100, 233–239 (2007).

DOI: 10.1007/s11038-007-9141-y.

Current research in AI evaluation and artificial cognitive functions; not a claim of demonstrated artificial consciousness.

References and case studies: soldan.com.br/en/ · Editorial review: September 2026.