# William Hideki Nakata

AI Automation Engineer & Full Stack Developer
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## SUMMARY OF QUALIFICATIONS

AI Automation Engineer and Full Stack Developer with 3+ years in software and data, including 1.5+ years building AI agents. Uses LangChain, LangGraph, RAG, Azure AI Foundry, C# and Python to build AI solutions, applications and data pipelines.

## TECHNICAL SKILLS

**AI & Automation:** LangChain, LangGraph, AI Agents, RAG (Retrieval-Augmented Generation), Azure AI Foundry, OpenAI API, Vector Databases, LangSmith, n8n, RPA
**Backend & Frontend:** C# (.NET Core), Entity Framework Core, Python, TypeScript, Angular, Node.js, REST APIs
**Data, Cloud & DevOps:** SQL Server (T-SQL), ETL Pipelines, Power BI, Docker, Testing

## WORK EXPERIENCE

**AI Automation Engineer & Full Stack Developer** Mar 2025 – Present
Toledo Piza Araçatuba, Brazil

- Build 2 AI agents with LangChain, LangGraph and Azure AI Foundry: one provides database- and RAG-based negotiation insights to around 300 operators; the other validates outputs and triggers reanalysis when needed.
- Process around 110,000 contracts on each month's first business day and 5,000–10,000 daily thereafter.
- Automate 6+ recurring manual processes with Python and n8n, saving a combined 1.5–2 hours of manual work per day.
- Develop C# (.NET) CRM modules and REST APIs and Angular/TypeScript payment and inquiry interfaces, with automated tests and CI/CD on Docker and Azure.

**Tech Stack:** C#, .NET Core, Python, LangChain, LangGraph, Azure AI Foundry, Vector Databases, n8n, Angular

**Data Analyst & Automation Developer** Nov 2024 – Mar 2025
Toledo Piza Araçatuba, Brazil

- Designed and maintained ETL pipelines in Python and Node.js processing millions of rows per day (peaks of tens of millions), keeping internal data reliable.
- Cut total processing time by 50%+ for a telecom data workflow by optimizing collection, ETL and data processing, including batching and process splitting.
- Delivered 6+ Power BI dashboards for conversion, profit, campaign and supplier allocation decisions.

**Tech Stack:** SQL Server (T-SQL), Python, Node.js, Power BI, ETL

**Data Assistant** Jul 2023 – Nov 2024
Toledo Piza Araçatuba, Brazil

- Automated collection and processing of more than 8 files per day from different sources, improving data cleaning and classification.
- Ensured data integrity across Python and Node.js ETL pipelines handling millions of rows daily; analyzed datasets and tuned queries with T-SQL.

**Tech Stack:** SQL Server (T-SQL), Python, Node.js, Power BI, ETL

**Lecturer, Computational Numerical Methods** Aug 2021 – Jul 2023
UNESP – São Paulo State University Presidente Prudente, Brazil

- Taught Computational Numerical Methods to 2 classes and 20+ students, developing hands-on MATLAB and Python lessons and administering assignments and exams.

## EDUCATION

**BSc in Computer Science** | **UNESP – São Paulo State University** 2017 – 2021
Presidente Prudente, Brazil

**Graduate Coursework in Computer Science (incomplete)** | **UNESP** Feb 2022 – Feb 2024
Focus: Neural Networks & Numerical Methods

## LANGUAGES

**Portuguese:** Native **English:** Intermediate (B1)

## CERTIFICATIONS

- Alura, 2026: RAG Architectures with LLMs; LangChain: Advanced RAG Techniques
- Alura, 2025: .NET: Persisting Data with Entity Framework Core
- Alura, 2024: Neural Networks: Deep Learning with PyTorch; Training a Neural Network: Deep Learning with PyTorch
- Alura, 2024: Machine Learning: Classification with Scikit-learn; Data Science: Exploring and Analyzing Data
- Alura, 2024: Data Science: Analysis and Visualization