

# JOÃO VITOR CUNHA DOS SANTOS

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## PROFESSIONAL SUMMARY

Full-Stack Developer with strong expertise in TypeScript/JavaScript, Python, and distributed systems development. Solid experience in RESTful API architecture, real-time data processing, automation, and cloud infrastructure. Robust portfolio with 54+ public repositories demonstrating mastery of multiple modern technologies and frameworks. Specialist in mobile development (Flutter/React Native), scalable backend systems, and external service integration.

## PROFESSIONAL EXPERIENCE

### Software Developer | PLS Software

November 2025 – Present

- Development of CRM systems and analytical dashboards with large-scale data processing and real-time visualization
- RESTful API architecture and cloud integrations using Python (backend), TypeScript (frontend), and Supabase
- Implementation of real-time data synchronization across multiple systems with performance optimization
- **Stack:** Python, TypeScript, PostgreSQL, Supabase, Docker, REST APIs

### Mobile Developer

2025 – DataClick Project

- Technical leadership in Flutter application development with offline/online synchronization and cloud storage
- Implementation of scalable backend with RESTful APIs for educational data processing
- **Stack:** Dart/Flutter, Node.js, MongoDB, Firebase

## KEY PROJECTS

### Trading & Financial Automation

- **Pool Trading Bot:** Automated trading bot with quantitative strategies and risk management (Python)
- **Crypto Trading:** Analysis and trade execution system for cryptocurrencies with exchange integration
- **Stack:** Python, Financial APIs, WebSockets, Real-time Processing

### Mobile Applications

- **DataClick:** Educational platform with code versioning and offline/online synchronization (Flutter + Node.js)
- **Dynamic Form:** Data collection app with complex validations and analytical dashboard (Flutter + Java)
- **Logistics App:** Delivery tracking and management system with geolocation (Flutter)
- **Stack:** Flutter, Dart, Firebase, MongoDB, REST APIs

### AI & Automation

- **CrewAI & n8n:** Intelligent automation systems with AI agents for complex workflows
- **BrDocs:** Automatic processing of Brazilian documents (CPF, CNPJ, CNH)
- **Automation Scripts:** Collection of Python scripts for recurring task automation
- **Stack:** Python, CrewAI, n8n, AI APIs, Process Automation

## Backend & APIs

- **JWT Auth System:** Secure authentication with Spring Boot, JWT, and MongoDB
- **Kanban API:** REST API for task management with Java and Postman testing
- **MySQL API:** EJS + TypeScript + MySQL system for evaluation processes
- **CNPJ-API:** CNPJ lookup with external CNPJ-BIZ API integration
- **Stack:** Java, Spring Boot, Node.js, Express, PostgreSQL, MySQL, MongoDB

## Frontend & Corporate Websites

- **Mira Empresa:** Structured corporate website with TypeScript and React
- **Bruna Site & Portifile EDS:** Professional portfolios with modern design
- **ExcelHTML:** Frontend system based on Excel spreadsheet processing
- **Stack:** TypeScript, React, Next.js, HTML5, CSS3, JavaScript

## TECHNICAL SKILLS

Category	Technologies
<b>Languages</b>	TypeScript, JavaScript, Python, Java, Dart, C#, Go, Rust, SQL
<b>Backend</b>	Node.js, Express, NestJS, Spring Boot, FastAPI, Flask
<b>Frontend</b>	React, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap
<b>Mobile</b>	Flutter, Dart, React Native (concepts)
<b>Databases</b>	PostgreSQL, MySQL, MongoDB, Redis, H2, Firebase Firestore
<b>DevOps &amp; Cloud</b>	Docker, Linux, VPS, Shell Script, CI/CD, Supabase, Firebase, AWS (concepts)
<b>Python Stack</b>	Pandas, NumPy, CrewAI, Automation, Web Scraping, Scripts
<b>Tools</b>	Git, GitHub, Swagger, Postman, Maven, REST APIs, JWT, n8n
<b>Methodologies</b>	OOP, Design Patterns, SOLID, Scrum, TDD (concepts)

## EDUCATION

### Systems Analysis and Development

*UniCesumar | Completed in 2025*

## CERTIFICATIONS

- Scrum Fundamentals Certified – SCRUMStudy (2024)
- Python Bootcamp – Matera (2024)
- WorkinTech – UniCesumar/LATECH (2024)
- Java and Object-Oriented Programming – Alura
- Programming Logic in C# – Udemy

## LANGUAGES

- **Portuguese:** Native
- **English:** Advanced (technical reading and written communication)

## PORTFOLIO

- **RFID System:** <https://rfid.pls.software/>
- **PBC System:** <https://pbc.pls.software/>
- **PLS Software:** <https://pls.software/>