

# Danilo Araújo Silva

## Senior Blockchain and Full-Stack Software Engineer

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### Social:

[LinkedIn](#), [GitHub](#)

### Community:

[StackExchange](#), [StackOverflow](#)  
[Math.StackExchange](#)

### Company

[Site](#), [Discord](#), [GitHub](#)

Senior Blockchain and Full-Stack Software Engineer working in the field since **2008**. Bachelor's degree in Information Systems, postgraduation's degree in Java Technology and Development for Mobile Devices. Knowledge in several programming languages, technologies and other topics related to IT and mathematics. Self-teaching, ease in learning new technologies or improving and optimizing processes, ability in computer and exact sciences; teamwork. **Currently interested in Blockchain, DeFi, Fintech, Crypto, investment and AI/ML.**

## Education

- Bachelor's degree in Information Systems from the [State University of Montes Claros \(Unimontes\)](#).
- Postgraduation's degree in Java Technology and Development for Mobile Devices from the [Federal State University of Paraná \(UTFPR\)](#).

## Professional Experience

### CEO / Founder / Software Engineer (12/2020 - current)

- Company: [Funttastic Labs](#)
- About the company: Innovative startup focused on the cryptocurrencies and blockchain ecosystem. Building consulting services and products related to market-making, smart contracts, investment, crypto token launching, NFTs, machine learning, strategic and business intelligence models and reports.
- Department: Engineering.
- Experience: Smart Contracts, NFTs, Machine Learning, HFT, Trading Bots, Python, Tensorflow, Pandas, Keras, NumPy, Solidity, Bitcoin blockchain and nodes, Google Cloud, PostgreSQL, Docker, Binance, PancakeSwap, CCXT, TradingView, and more. Integrations for CEXes like [Cube](#) and [BingX](#), and DEXes like [ThorChain/Rujira/Kujira](#), [Polkadot/Hydration](#), [Telegram](#)(Ton)/[Ston.fi/DeDust](#), [Solana/Raydium/OpenBook](#), etc. Also, identifying and materializing opportunities and services related to crypto and blockchain (like token launching partnerships, NFT collections, automated trading and HFT, Machine Learning models, investment opportunities and more).

### Blockchain Software Engineer (03/2022 - 07/2025, contract)

- Company: [Robotter AI](#)
- About the company: YourTrading GbR, founded in Erlangen in 2022, is committed to promoting open-source trading software in the field of cryptocurrencies/Web3. We are a collegial group of young BSc and MSc students from various backgrounds and specializations, and together we are building the future of financial trading systems based on Solana, Aleph.im, and Hummingbot. The company finances itself through various open source funding programs and bounties issued by the respective open source projects. The development aims to enable an easily accessible market for algorithmic

high-frequency trading, and to increase the resilience of such systems by crowdsourcing the development effort.

- Department: Engineering.
- Experience: development of high-end High Frequency Trading (HFT) algorithms, working closely with the Hummingbot Foundation, leading and tutoring younger developers, expertise with Blockchain, Solana, Serum, and Hummingbot open source project. Supported the token launch of the former winner of the Serum 2021's competition. Using technologies like Python, Typescript, Solana, Serum, Docker, Telegram Bots, Numpy, among other ones.

#### **Software Engineer (09/2019 - 03/2020)**

- Company: [Delivery Hero](#)
- About the company: the largest global food network (outside of China) with 500,000+ restaurants on its platform, with 1,000+ orders per minute and offering delivery services in 300+ cities globally.
- Department: Fintech / Global Payments.
- Experience: creating, developing or supporting the development of new solutions for a global payments platform and integrations with different Payment Service Providers like PayPal, Adyen, Apple Pay, Google Pay, Ant Financial and more. Using technologies like Java 12, Kotlin, Spring, Spring Boot, Hibernate, PostgreSQL. Also, other technologies like Datadog, Maven, Gradle (with robust configurations), Artifactory, Docker, JUnit Jupiter, integration and e2e tests, Test Containers, and more. Workforce organized using Scrum and other agile practices.

#### **Software Engineer (07/2017 - 05/2019)**

- Company: [Peixe Urbano](#) and [Groupon LATAM](#)
- About the company: Peixe Urbano and Groupon LATAM are the largest Brazilian and Latin American local e-commerce companies with more than 30 million users.
- Department: Engineering.
- Experience: maintaining and developing new software in Java, Kotlin (also with coroutines), Spring Boot, Angular 5, Vue.JS, NodeJS, JavaScript, Amazon Redshift, SQLServer, JSP, JSF and more. Management of an important platform, responsible for sending more than 10 million emails on a daily basis to consumers. DevOps maintenance of WildFly and JBoss servers, load balancers, IP mail reputation, Linux and more. Trusted with significant responsibilities including access to production systems.

#### **Software Engineer (04/2014 - 12/2016)**

- Company: [Sesc-PR](#).
- About the company: a large Brazilian social institution present in all Brazilian states.
- Department: IT.
- Experience: maintaining and developing new software in Java (REST, Java 8, JSF, PrimeFaces, Hibernate ORM, Servlets, Web Services, robust reflection methods, own JSF composite components, EL language, Maven, WildFly 10, Tomcat, and more.), PHP, SQL (creating migrations, modeling new tables, querying statistics, fixing database issues, working with DB2, PostgreSQL, MySQL and SQLServer), Object-oriented and scripting programming, Design Patterns (Singleton, Iterator, Adapter, etc.), trust position at the company (with access to production systems, databases, management of employees permissions), development of widely used software like the System of Projects: a system to manage all projects from the company, embracing more than 30 cities, 50 affiliates and 300 projects with several business rules and different operations (from weddings, vaccination campaigns to music shows); HelpDesk: system to manage all company tickets, with a powerful dashboard and statistics. Development of new systems or improvement of legacy ones.

#### **Other experiences**

- Please check my [LinkedIn](#).

#### **Skills**

- Major skills currently: Cryptocurrencies and Investment, Blockchain, Python, Kotlin, Spring Boot, Machine Learning.

- Some other skills (several omitted): JVM (Gradle, Java, Spring, Spring Boot, Hibernate, Kotlin (coroutines, multiplatform (backend, mobile, JS, WebAssembly, desktop, CLI)), Wildfly, JBoss, Android, and others), Databases (PostgreSQL, SQLServer, Redshift, MySQL, IBM DB2, SQLite, Firestore, and others), JavaScript (NodeJS, React (Redux, Material UI), Vue.JS, Angular 2+, and others), Ruby on Rails, Python, iOS, Mathematica, Docker, UX, and other knowledge omitted.
- Spoken languages: Portuguese as native language, professional working proficiency in English.

## Additional Information

- Some open-source contributions on [GitHub](#) and an interest in [Kotlin MPP](#).
- Won a scholarship at [Etapa Vestibulares](#) ([they have several Olympic medals](#)) to prepare for some of the most difficult graduation entrance exams in Brazil ([ITA](#) and [IME](#)).
- Ability for mathematics and computer science, with a special interest in Artificial Intelligence.
- Bachelor's thesis defended in the field of AI and Fuzzy Systems.
- Winning team of the *Startup Weekend Education Curitiba 2016* competition.
- Hobbies: experiment and play with new technologies, developing new math algebras or extending them, playing [Go / Weiqi / Baduk](#) (mind sport game like chess, [used by some companies in their market strategies](#)), inline skating, [dancing](#), climbing, traveling, being in touch with nature.
- Interested in having a socially conscious foundation in the future.