



# SAULO VALLORY

Senior Software Engineer and Architect

21 years coding professionally | 111 repositories on GitHub

## PROFESSIONAL SUMMARY

Chief Technology Officer with 21 years of professional coding experience and about a third of those in leadership positions.

I shine most in architecture – I get excited by the opportunity to fit all pieces together and find optimal solutions taking into account multiple concerns that go beyond the technical requirements. Over the years my motivation has evolved from creating things out of code to using technology to transform processes and have a positive impact in people's lives.

I can learn and understand processes really fast, absorb huge amounts of information, and actually have fun reorganizing and optimizing complex systems.

Having ADHD pushed me to optimize how I learn since a very young age. During the COVID pandemic, I used that skill to launched a free mentorship program where I helped more than 50 mentees become developers by teaching them how to learn.

## CORE COMPETENCIES

### Architecture & Systems Design

- Microservices
- Legacy system modernization
- Domain Driven Design, CQRS, Event Sourcing
- Complex system integration
- API Design & development

### Leadership & Team Management

- Cross-functional team coordination (40+ person teams)
- Mentorship and developer empowerment (50+ mentees)
- Technical strategy and business alignment
- Crisis management and rapid delivery

### AI & Innovation

- Advanced LangChain & LangGraph workflows
- AI Agents and Multi-Agent
- Process optimization and automation
- Developer experience and tooling innovation using AI
- Community building and open-source contributions

### Technology Stack

- **Languages:** TypeScript, JavaScript, Python, C#, Go
- **Frameworks:** Angular, Nest, Next, React, React Native, Svelte, Solid, Vue
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite
- **Integration:** Stripe, GraphQL, REST APIs
- **DevOps:** CI/CD automation, Scalability, Cost Optimization

## EXPERIENCE

Aug 2025  
Nov 2022

### Co-Founder and CTO

Toki Labs

Toki Labs is a boutique software house and outsourcing firm which hand-picked projects based on their social impact.

During my time here I aligned company values with the development strategy under budget constraints, requiring creative approaches to staffing, development strategy, and revenue optimization.

#### Key Achievements:

- Staffing Innovation: Launched a free mentorship program attracting 50+ participants, leading to 5 full-time hires at low cost and facilitating 30+ participants to find software development jobs
- Development Optimization: Engineered Uisl, a proprietary UI specification language, resulting in 50%+ reduction in specification time compared to industry standards
- Revenue Growth: Expanded optimization concepts to create CVA, a subscription-based Figma plugin for controlled generative design, reducing Design System creation time by 70%

## EDUCATION

Bachelor Degree in Software Engineering

Pontifical Catholic University of Rio de Janeiro

## LANGUAGES

### Portuguese

Native

### English

Fluent

### Spanish

Conversational

## INTERESTS

Poetry, music composition, cooking, dancing, teaching and mentoring, creating tools that optimize work or processes, especially for developers.

## EXPERIENCE

Toki Labs Client

### DreamFlare.ai

Principal Engineer

Dreamflare is the Netflix for AI-generated shorts, movies, and show. I joined the team to help them launch their platform.

#### Key Achievements:

- Implementation of automated UI generation from Figma using AI
- System-wide Architecture and Platform improvements for scalability and security
- Development process standardization

Toki Labs Product

### CVA

Engineering Team Lead

CVA automates the generation of design variations in Figma and is the latest product from Toki Labs.

#### Key Achievements:

- Designed the architecture for the plugin and backend, including deploy infrastructure and automation
- Coordinated the open-sourcing of non-critical code as a Figma SDK
- Algorithm optimization to handle thousands of generations in under 3 seconds

2019 - 2021

### Senior Software Architect

Rocket Money (formerly Truebill)

Joined early-stage fintech startup, taking ownership of features from architecture design to deployment and monitoring. Stayed until the company was sold to Rocket.

2018-2019

### Product Chief Archictet

Crossover

Coordinated development and SaaS operations across multiple products, primarily focusing on Chute platform.

#### Key Achievement:

- Crisis Management: Successfully coordinated 40-person team to deliver critical product changes within one month following Facebook's Instagram API removal

## PROJECT HIGHLIGHT

### Hyper Coding Methodology

A set of principles that can drastically improve the quality of AI Agents output, regardless of their underlying LLM model.

Read more at: [hyper-coding.saulo.engineer](https://hyper-coding.saulo.engineer)

