Video Introduction Script Opening

Opening

Olá, I'm Maria Silva, and I'm based in São Paulo, Brazil. I hold a Bachelor's in Computer Science from USP, graduating with honors, and I've been building backend systems for over 10 years. For me, backend engineering isn't just about APIs—it's about building the reliable, scalable foundation that enables entire businesses to grow.

Recent Experience

Most recently, I'm a Staff Backend Engineer at Nubank, where I architect microservices handling over 80 million customer transactions daily. In this role, I design distributed systems using Clojure, Kafka, and PostgreSQL, and I lead a backend guild of 25+ engineers establishing technical standards and best practices across the organization.

Leadership Philosophy

My leadership approach is architecture-focused and collaborative. I believe in creating systems that are easy to understand and maintain, not clever but fragile. I've learned that the best architectures emerge from collective wisdom—code reviews, design docs, and RFC processes where everyone can contribute ideas.

Problem-Solving Approach

What distinguishes me is my focus on operational excellence. At MercadoLibre, I reduced API latency by 65% through strategic caching and database optimization. I always think about the full lifecycle: How will we debug this? What happens during peak traffic? How do we roll back if something breaks? Production reliability comes from planning for failure.

Full-Stack Backend Experience

I've worked across the entire backend spectrum: from API design and database schema modeling, through service implementation and message queue integration, to deployment automation and production monitoring. My experience includes multiple languages and paradigms—functional programming with Clojure, object-oriented with Java, and async with Node.js.

I believe strongly in API design and backward compatibility. Breaking changes cost engineering time across the entire organization, so thoughtful versioning and clear contracts are essential.

Technical Expertise

Over the past five years, I've primarily worked with Clojure for functional backend development, Java with Spring Boot for enterprise systems, and Node.js for high-throughput services. I'm experienced with event-driven architectures using Kafka and RabbitMQ, and various databases from PostgreSQL to MongoDB.

But my real strength is in distributed systems design. I love tackling questions like: How do we handle eventual consistency? Where should we partition our data? How do we ensure transaction semantics across services? These architectural decisions determine whether systems scale gracefully or collapse under load.

Personal Interests

Outside of work, I contribute to open-source projects in the Clojure ecosystem, play beach volleyball, and practice Brazilian Jiu-Jitsu. I also enjoy philosophy and thinking deeply about software design principles.

Closing

You can find my technical writing and open-source contributions on my blog, which I've linked in my application. I'd be happy to discuss distributed systems, functional programming, or building backend infrastructure at scale.