

Streamlining Tax Processing: From 4.30 Hours to Just 14 Minutes



The State Board of Revenue struggled with inefficiencies and manual processes in its outdated stamp tax collection system. We developed a web-based solution that automated tax reconciliation, streamlined payments, and reduced manual intervention, **improving processing time by approximately 95%.**

About The State Board of Revenue

The Argentine State Board of Revenue is responsible for overseeing the collection and strict monitoring of all provincial public income. This includes managing the collection of various fiscal taxes, such as the stamp tax, ensuring compliance and maximizing provincial revenue.

The Stamp Tax

Levied by provincial governments, this tax applies to certain documented legal and commercial transactions. It's collected via withholding agents and represents 4% of total income and 10% of locally generated income, with a 24% YoY increase in recent years.

The Challenge

The stamp **tax collection process depended on an outdated Win32 desktop application** used by withholding agents to calculate, file, and remit payments. This legacy system presented several critical challenges that **made the process slow, error-prone, and difficult to scale**:

- **Outdated Technology**

The system was incompatible with modern operating systems like Windows 10 and 11 and lacked portability for remote or flexible work.

- **Manual Complexity**

Agents had to calculate biweekly payments, deposit funds, and submit affidavits manually—introducing room for error and inefficiency.

- **Lack of Integration**

The application couldn't interface with modern platforms, requiring constant human intervention to bridge systems.

- **Performance Bottlenecks**

Processing large files—sometimes 70MB with over 500,000 records—could take 4+ hours, creating delays for the 360 agents filing taxes simultaneously.

The Solution

We built a robust web-based platform designed to fit the client's infrastructure and user needs. Hosted on AWS and integrated with their local Oracle database, the system delivers a seamless, scalable experience within their existing environment. Key benefits include:

Seamless Integration

The entire process now runs internally, eliminating the need for external systems.

Automated Reconciliation

Tax reconciliation is fully automated, reducing manual workload and saving time.

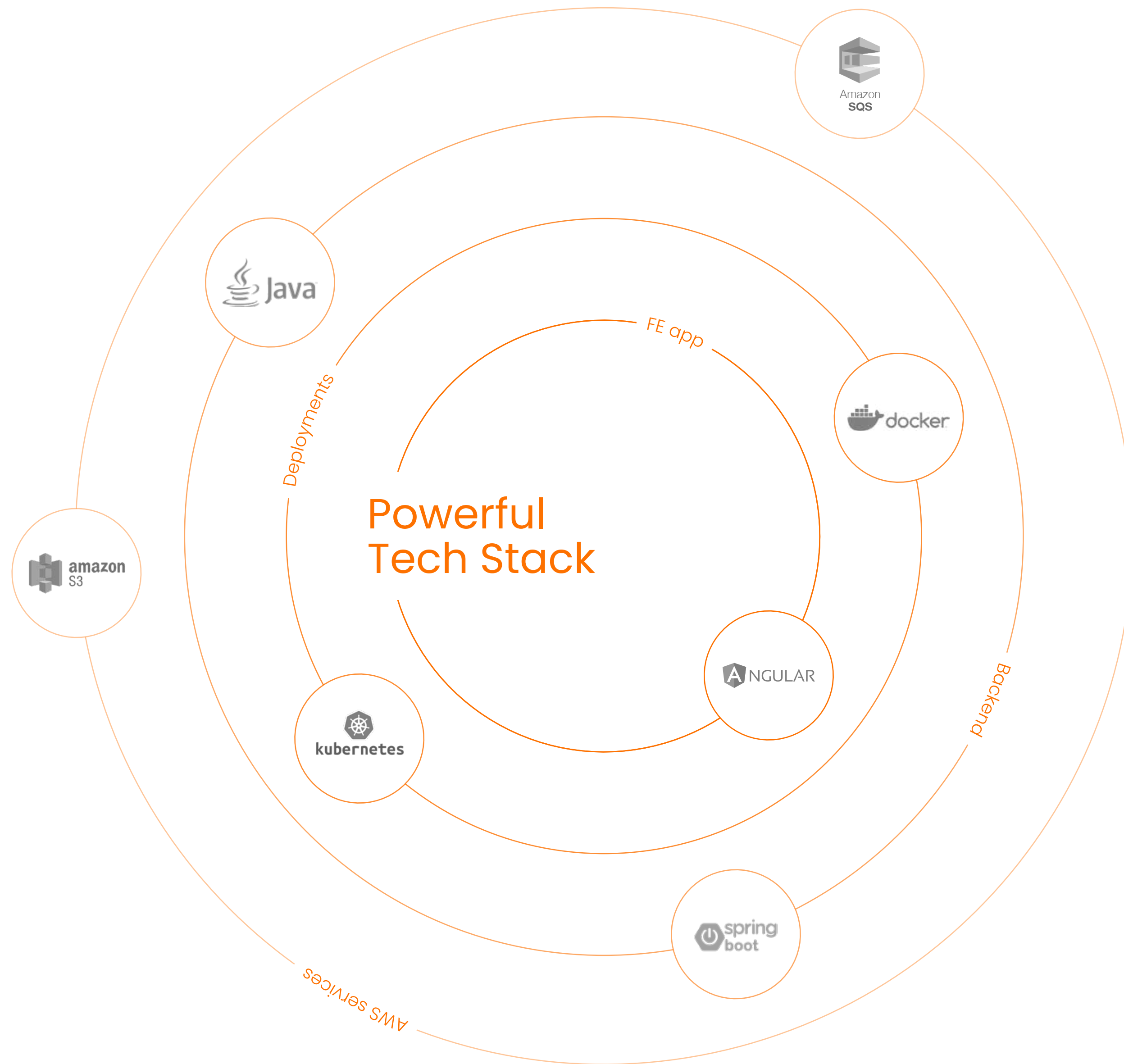
Improved Efficiency

Direct payment allocation minimizes manual errors and lowers operational costs.

User Flexibility

Users can pause and resume the process anytime, completing it at their own pace.

By offering functionalities both through the web interface and as web services, the new platform facilitates smooth integration with other retention agent systems.



We built a scalable, cloud-native solution using Angular, Java with Spring Boot, and Oracle DB. Deployed with Docker and Kubernetes on AWS, and integrated with services like S3 and SQS, the system now processes high-volume tax files quickly and securely within existing infrastructure.

The Results

| From 4.5 hours to **14 minutes**
in tax processing.

Ready to Build a Smart Partnership?

We're more than a vendor—we're your potential Growth Partner.
Let's clear your backlog!

Let's talk