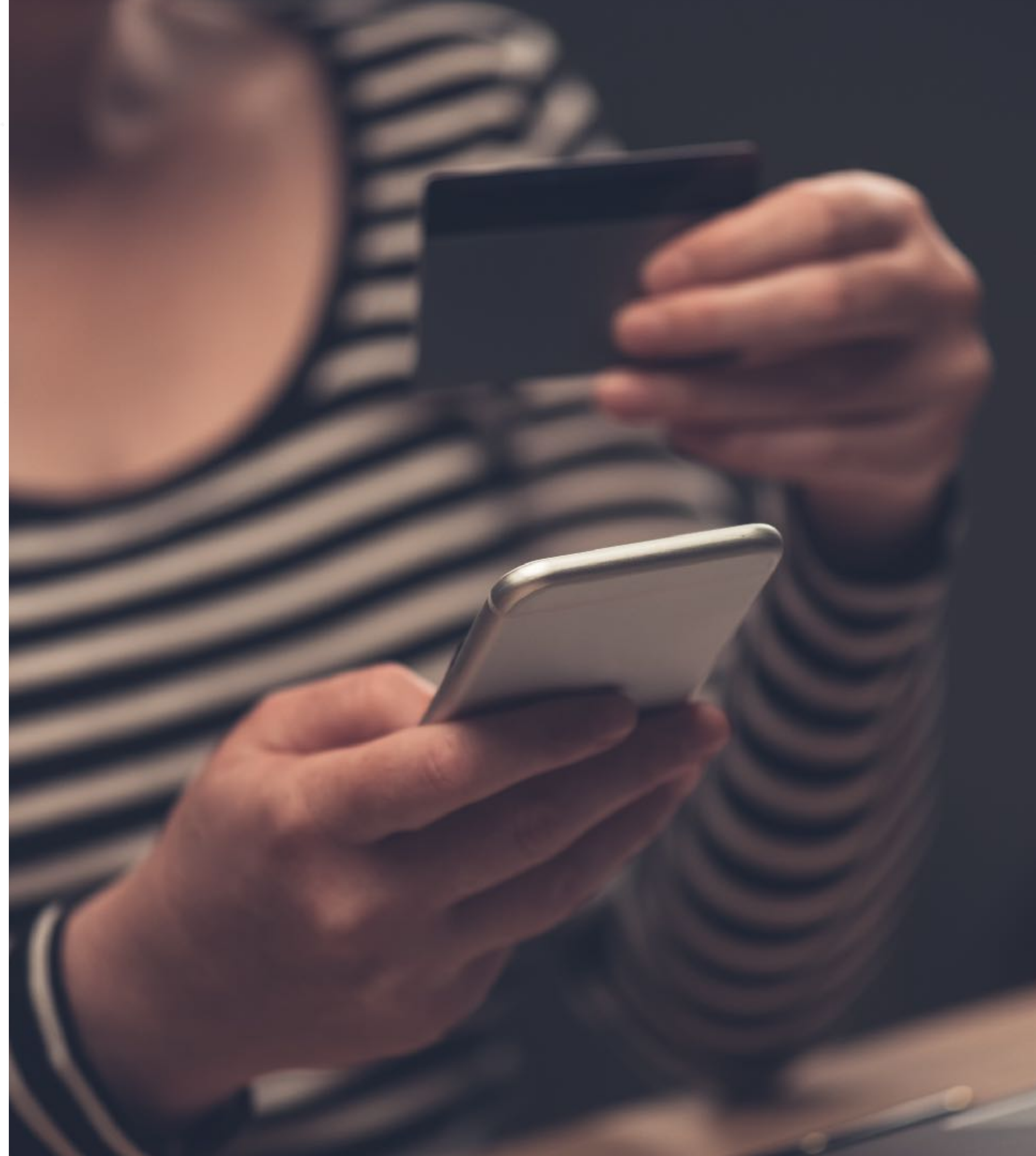beSharp. | satispay

Cloud infrastructures for a rapidly evolving startup

OVERVIEW

Satispay is the mobile payment platform that allows transactions and exchanges of any amount of money in an easy and immediate way, without any commissions.

With a project created in 2013, Satispay currently has more than **500,000 active users** and over 65,000 physical and online points of sale distributed across all the Italian provinces.
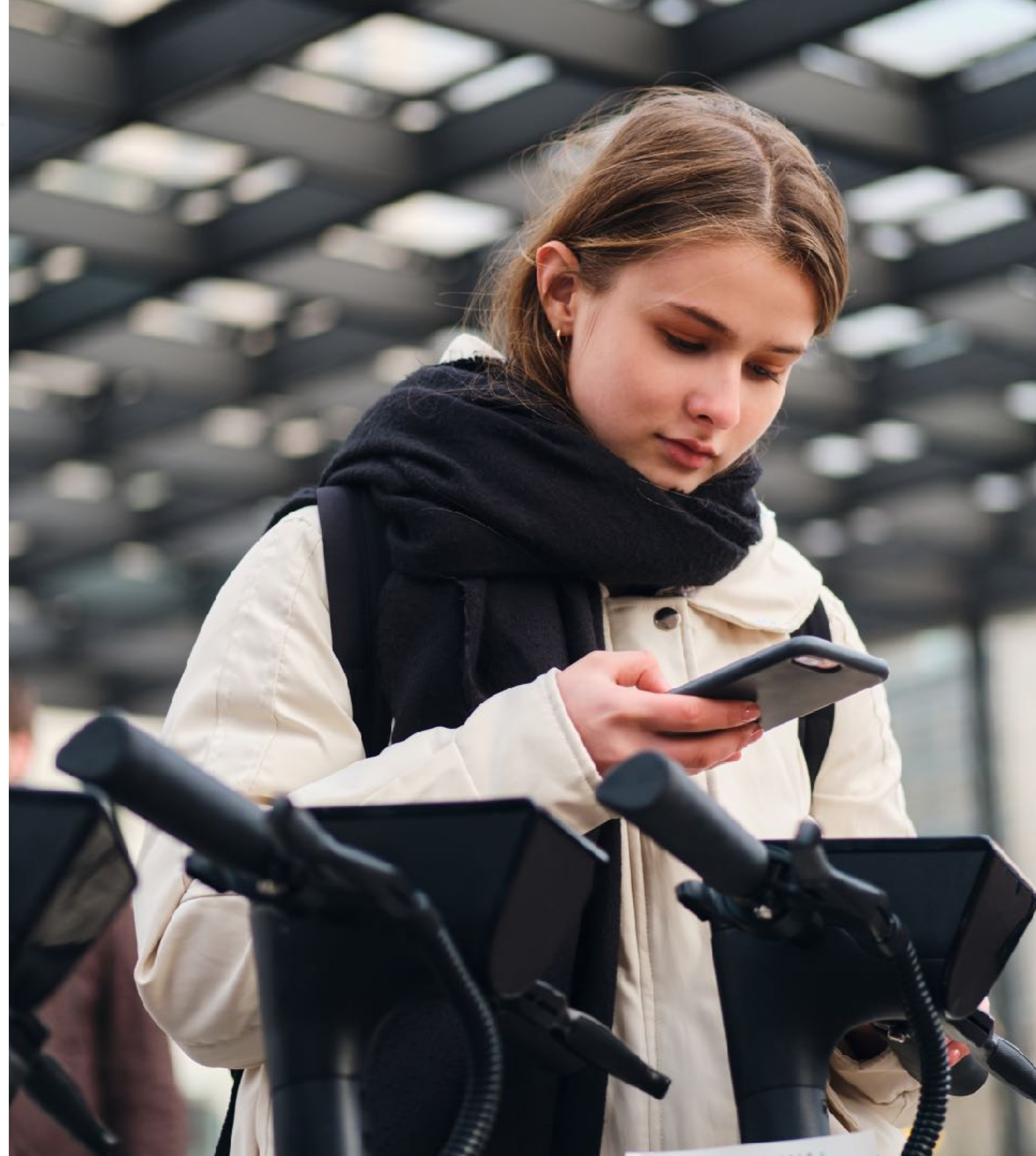
THE CHALLENGE

- Overcome the limitations of a monolithic infrastructure based on traditional data centers and meet the **dynamism, speed** and **agility** demands of a rapidly growing start-up.

- Speed up the implementation of architectural changes and the issue of new releases.

- **Contain management costs** and gain infrastructure intervention autonomy.

THE SOLUTION

- Hot migration of the infrastructure from on-premise to the Cloud **without any service downtime.**

- Adoption of the **Continuous Delivery** paradigm.

- **Automatic adaptation** of the number of resources to the number of users, and costs in line with traffic trends.

Management

Thanks to the **modularity** of the new infrastructure, Satispay has obtained **control** and management **autonomy** over the architecture.

The use of **Amazon CloudWatch**, **Amazon Elasticsearch**, **Amazon Kinesis** and **Kibana** has made it easy to collect monitoring metrics and debug actions.

Efficiency

The **Continuous Delivery/ Continuous Integration pipeline** based on the combination of **AWS CodeCommit**, **AWS CodeDeploy**, **AWS CodeBuild** and **AWS CodePipeline** allowed the technical team to move from one release per week to **30 releases per day.**

Scalability

With the **Auto scaling** and **Load Balancing** Satispay technicians have obtained a modular and scalable infrastructure that automatically manages the amount of resources in use and satisfies all the users' requests: an environment with **enterprise-like performance**, while maintaining **start-up agility and costs.**

"beSharp is a **young** and **ultra-competent** team driven by an innate **passion** for technology. The support they offer us is not merely as suppliers, but as a partner that **believes in our projects as much as we do**"

Dario Brignone

CTO @Satispay

ABOUT BESHARP

beSharp guided Satispay in all the migration phases to the Cloud: beSharp Cloud Experts took care of the architecture design following the best practices of the AWS Well-Architected Framework and organized a hot migration with no service downtime.

beSharp used an on-the-job training approach to make Satispay technicians autonomous in managing the new infrastructure and supports them in managing the most critical processes with a 24/7 support service.

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