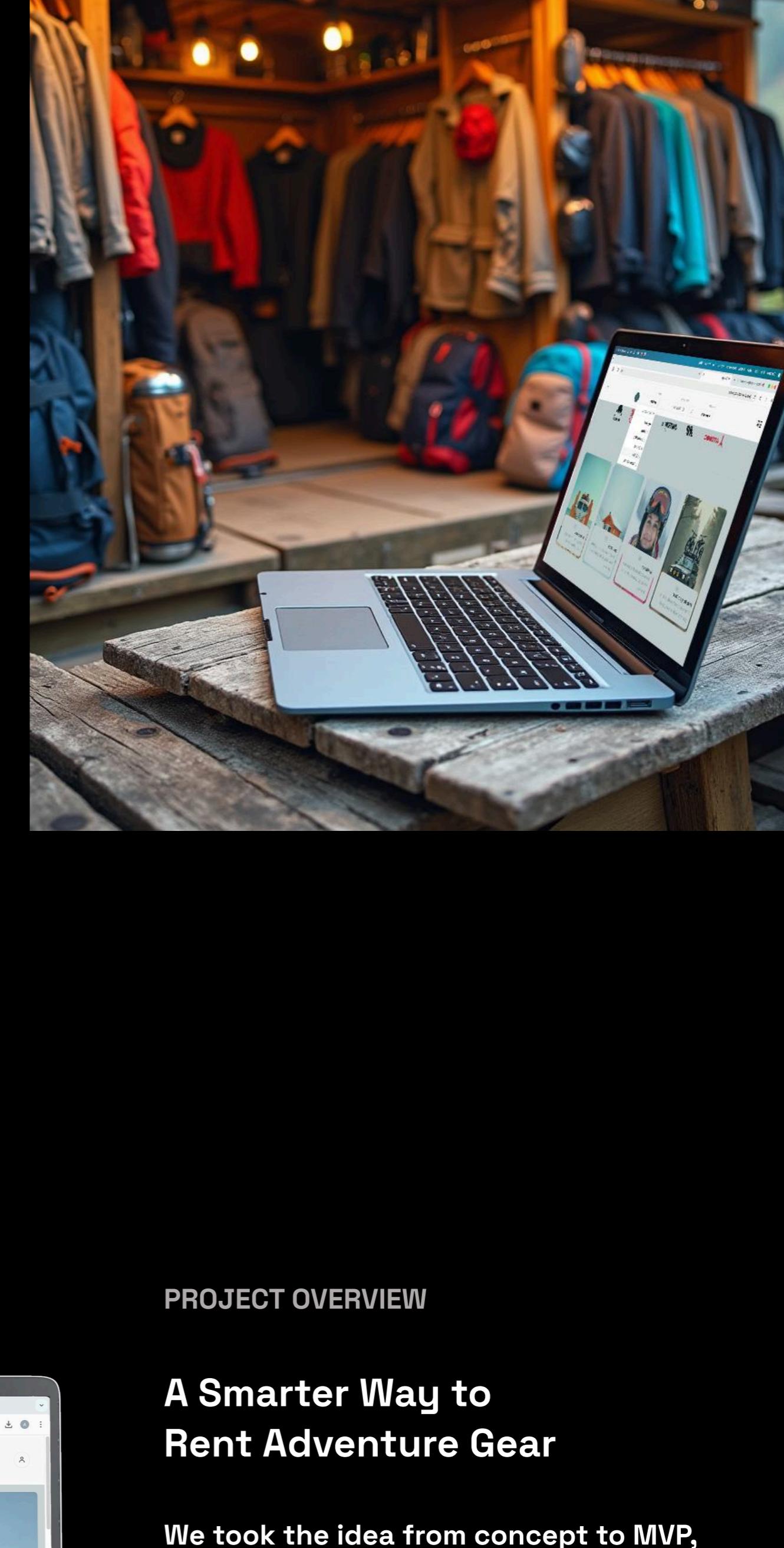


# gearyo

Development and launch MVP for AI-powered adventure gear rental marketplace



## PROJECT OVERVIEW

### A Smarter Way to Rent Adventure Gear

We took the idea from concept to MVP, covering product strategy, UX design, and technical development to validate the business model quickly.

The platform combines clean user journeys with AI-driven recommendations, allowing traveler's to make faster booking decisions while giving vendors simple tools to manage inventory.

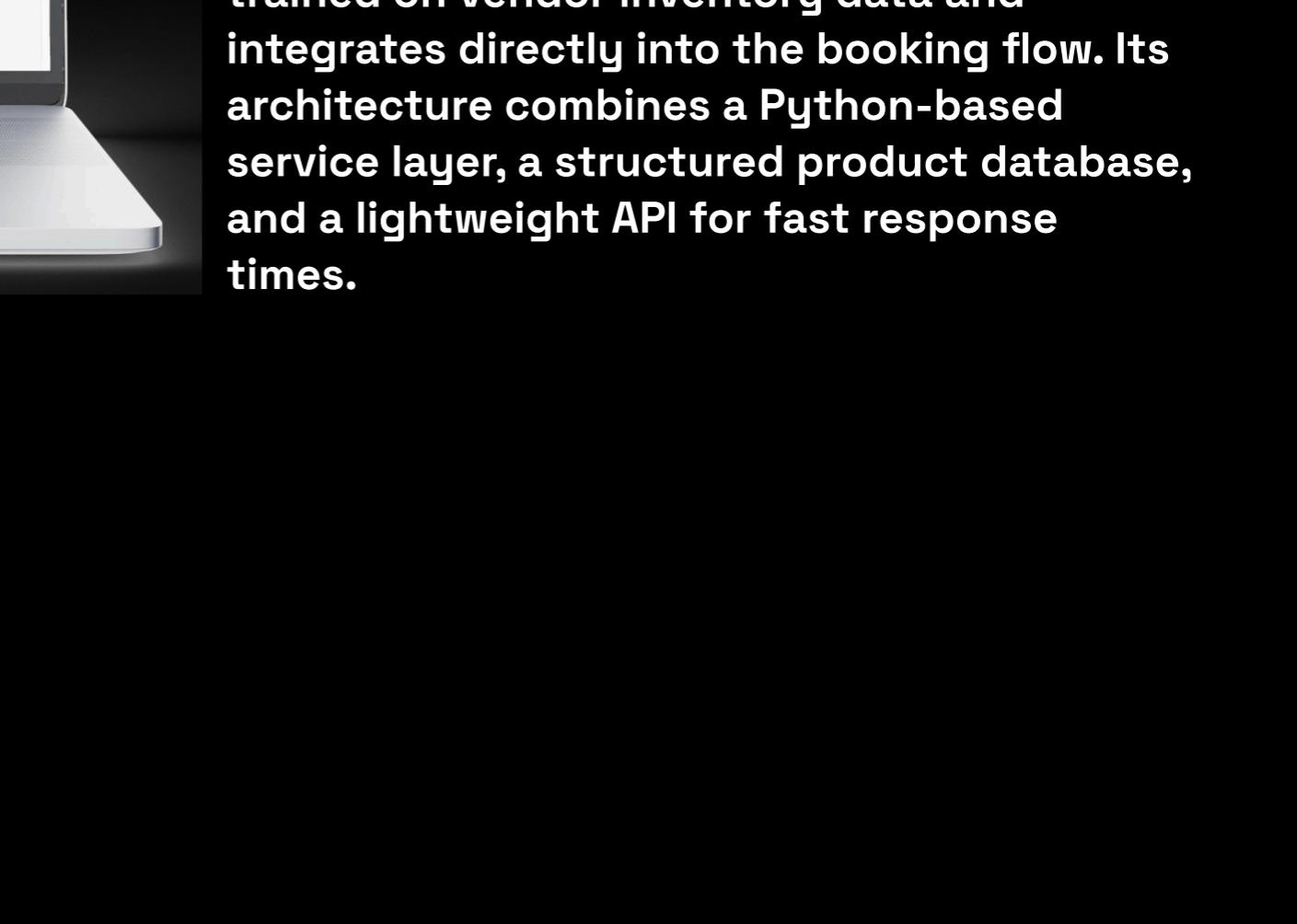
Gearyo launched as a scalable foundation for outdoor commerce, proving market demand and creating a clear path to growth.

## PROJECT OVERVIEW

### Vendor Mapping and Storefront Search

As part of the MVP, Arbieter implemented location-aware functionality using geospatial APIs and a custom search index to let users find gear vendors near their destination. The interface was built with a lightweight front-end framework for speed and a scalable database structure to handle vendor and inventory data.

We designed the search to be fast and intuitive, allowing users to compare storefronts side by side. This reduced friction in the rental process and increased trust by making vendor options transparent.



## PROJECT OVERVIEW

### AI-Powered Recommendations

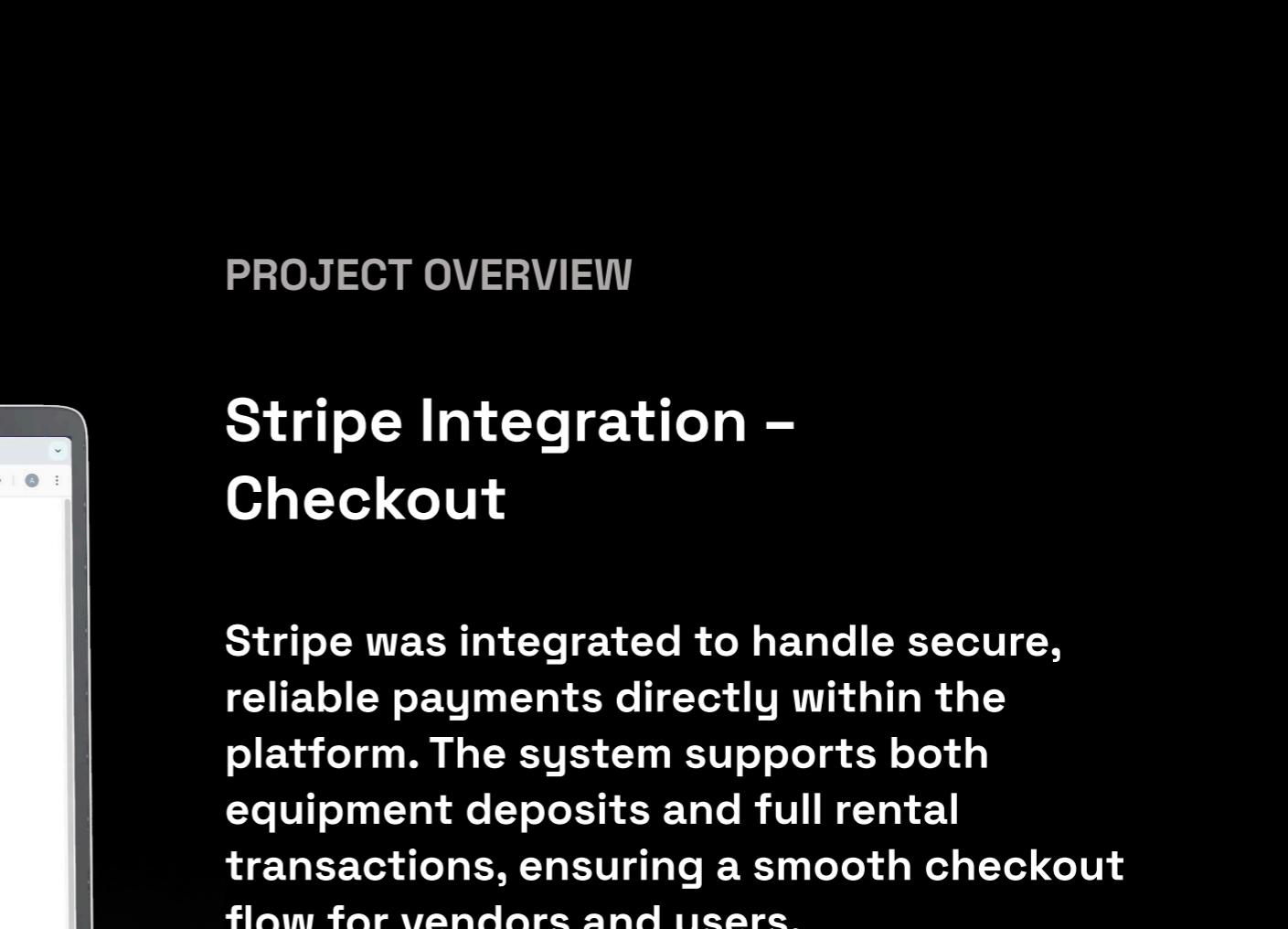
The recommendation engine was developed to simplify gear discovery with applied intelligence. It analyses user inputs such as weight, skill level, and terrain, then generates tailored gear matches in real time. The system uses a machine learning model trained on vendor inventory data and integrates directly into the booking flow. Its architecture combines a Python-based service layer, a structured product database, and a lightweight API for fast response times.

## PROJECT OVERVIEW

### Vendor Listings – Control and Clarity

Vendor dashboard was developed to give providers complete control over their listings. Pricing, availability, specifications, and condition can all be managed through a single interface designed for speed and ease of use.

The dashboard architecture connects a React-based front end with a PostgreSQL database, supported by an API layer for real-time updates. This ensures changes sync instantly across storefronts and search results.



## PROJECT OVERVIEW

### Stripe Integration – Checkout

Stripe was integrated to handle secure, reliable payments directly within the platform. The system supports both equipment deposits and full rental transactions, ensuring a smooth checkout flow for vendors and users.

The integration leverages Stripe's APIs for payment processing, refunds, and dispute handling, with webhooks managing status updates in real time. This layer is critical in delivering a professional rental experience and reducing friction at the point of payment.

