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How we built it:

AutoTrust is built as a modern full-stack web application that prioritizes verifiability, transparency, and trust over traditional opinion-based review systems.

## Frontend

We built the frontend using [Next.js](#) (App Router) with React and TypeScript, focusing on a clean and premium UI that reflects trust and credibility. The styling was handled with Tailwind CSS, allowing for rapid prototyping while upholding a consistent and polished aesthetic.

Some key frontend features include:

- A searchable car reputation dashboard
- Individual car detail pages showing claims, contributors, and proof hashes
- AI-generated explanations presented transparently as summaries, not reviews
- Subtle metallic typography to reinforce the theme of reliability

All interactive features (search, claim-viewing, AI explanation requests) are handled client-side for responsiveness, while routing and layout are managed through Next.js.

### ###Backend

The backend exposes a lightweight API that powers all data access. We use MongoDB as our primary database to store:

- Car records
- Reputation claims
- Contributor metadata
- Evidence summaries and proof references

MongoDB's flexible document model allows us to store structured claim data alongside optional proof fields (such as hashes or transactions IDs) without forcing rigid schemas, which is ideal for evolving claim formats.

All data is accessed through typed API helpers, helping the frontend and backend contracts explicit and easy to reason about.