

Provisional Patent Application TrustQuote

Title of Invention

TrustQuote: AI-Driven Quote Clarity and Trust Communication System for Field Technicians

Inventor Information

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Location: San Jose, California

Sole inventor and originator of all claims described in this document.

This invention is an original work with no known prior art performing the same sequence of AI-guided quote generation, trust-based communication filtering, and technician training feedback loop.

Technical Field

This invention relates to AI-assisted service estimation, client communication framing, and trust-feedback systems, specifically in field service domains such as plumbing, HVAC, or similar hands-on trades.

Detailed Description of the Invention

TrustQuote is a multi-component system that:

- Accepts photos or short videos of a jobsite
- Uses AI to assess physical difficulty and conditions (crawlspace, trenching, roof access, etc.)
- Suggests a draft quote based on technician-specific pricing behavior
- Outputs two versions: a plumber-facing quote and a client-facing explanation
- Collects short client feedback, filtered through an owner-governed emotional filter
- Allows training insight from client responses to help technicians improve communication and pricing justification
- Includes memory-based price prediction tuned to individual techs previous quote history
- Provides human-in-the-loop tone control for all outbound technician messaging

Key System Claims

1. A visual interpretation engine that determines job difficulty and tags labor classification based on image or video.

2. A pricing memory vault that logs technician-specific pricing trends and suggests quote values based on past behavior.
3. A dual-perspective quote output engine producing one version for internal use and another for client clarity.
4. A feedback relay system routing emotional and objective input to owners for technician improvement.
5. A tone-governed communication filter ensuring AI messages to techs are approved or reviewed by the company owner.
6. A protected royalty framework for contributors that is fixed, non-dilutable, and revenue-based, separate from equity holdings.

Optional Modules and Expansion

This invention may be expanded to include integration with third-party field management platforms, real-time feedback via mobile app, or voice-guided quoting tools in the future. It is intended for standalone or integrated licensing and shall remain protected as a communication and clarity AI assistant framework for any field labor-based quoting workflow.