

Tamara Santana

Co-Founder and Chief AI Architect, BTS Innovations LLC

Tamara Santana is Co-Founder and Chief AI Architect of BTS Innovations LLC, an artificial intelligence software company. She designs and develops the company's governance systems for autonomous AI herself: software that supervises AI agents as they work, tests every action against the rules and plans she has set, enforces those rules without discretion, and preserves a tamper-evident record of every action taken.

Santana designed and developed AI Agent Sync, the company's flagship platform, which monitors AI agents across Mac, Windows, and Linux and suspends any agent at the first action that falls outside its authorized plan. Its enforcement component, the patent-pending Enforcer, intervenes at the precise point of deviation, identifies the specific action to which it objects, and quarantines the resulting damage. She has also designed, built, and shipped consumer AI products through the App Store.

Santana's development is research-driven, and the research goes deep. She devotes sustained time to the study of artificial intelligence — to understanding how these systems actually behave, not merely what they are said to do — and it is from that depth of understanding that she sees the pain points encountered by those who work with AI and the governance that is missing, and develops the systems that answer them. The products in this portfolio originate in that understanding: each one addresses a difficulty established through sustained study and practice, and supplies a control the field had yet to provide. Nor is the connection incidental. She develops every system herself and is fully involved in the whole process, at every point of it, because building is the source of the understanding: a system built by others would not be a system she understood. The depth she brings to the work exists precisely because no part of it is built by anyone else. Her method is of a piece with this: where a capability the work requires does not exist, she does not purchase another company's answer. She figures out how to combine existing tools into systems of her own design — and where no combination suffices, she builds the missing component herself. She builds her own tools.

That method now extends to the models themselves. Santana operates a private AI laboratory — her own hardware, her own data — where she fine-tunes open models end to end: building the training data, running the training, evaluating the result, and serving the finished model herself. A model trained in her lab already ships in a live product, identifying weeds, fungus, and disease for Lawn Guardian's users. It is her research with an address: the place where her study of how these systems behave becomes models of her own.

Santana is the inventor named on 11 patent applications, including the Enforcer. Her professional foundation is regulated fiduciary practice: she has served as an escrow manager and notary public — offices charged with verifying identity, preventing fraud, and safeguarding assets held in trust — and as vice president of an escrow association, where she contributed to the standards of the profession.

Each product is entirely her own: she conceives it, she develops it, and she brings it to market. She builds every point of the pipeline herself, across multiple industries: she is full stack, and builds every layer of it.