

Mihirsinh Chavda

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SUMMARY

Software developer who ships AI-powered products end to end, from semantic-search backends to open-source agent tooling. Strong across React, Node.js, and TypeScript, and on the LLM layer: RAG, vector embeddings, and production prompt pipelines.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML/CSS

Frontend: React, Next.js, Tailwind CSS, Framer, Responsive Design

Backend: Node.js, REST APIs, PostgreSQL, Supabase, Firebase, MongoDB

DevOps & Cloud: Git, GitHub, Vercel, Cloudflare

EXPERIENCE

Founder - Boostlane · useboostlane.com

Jan 2026 – Present

Remote

- Building a distribution engine that turns a founder's work into on-brand content at scale, structured around an approval-compression loop that learns from user edits to converge on each user's voice over time.
- Architected a multi-stage LLM pipeline (structured site understanding, archetype rotation, phrase-banning, and cross-run memory) to enforce on-brand, non-repetitive output.
- Built embedding-based novelty scoring that detects and filters near-duplicate generations, measurably cutting repetition across runs.
- Own the full stack: Next.js frontend, Node.js services, Supabase persistence, and the embedding and prompt infrastructure behind generation.

Software Developer (Contract) - CODEX

Jan 2025 – Jun 2025

Remote

- Replaced manual keyword filtering on SkillMatch AI with OpenAI-powered semantic resume parsing and contextual job-fit scoring, moving candidate matching from string overlap to meaning.
- Designed and shipped the REST APIs behind the matching engine and candidate ranking workflow, validated against 1,000+ resume inputs.
- Optimized MongoDB queries and refactored the underlying data models to cut API response times across the matching pipeline.

Freelance Software Developer

Jun 2025 – Dec 2025

Remote

- Shipped full-stack web applications and marketing sites for early-stage clients using React, Next.js, Node.js, and Tailwind CSS.
- Owned each engagement end-to-end, from scoping and architecture through build and deployment, working directly with founders on short delivery cycles.
- Integrated third-party APIs, auth, and payments into client products, and set up hosting and CI on Vercel and Cloudflare.

PROJECTS

rewind - Record/Replay Debugging for LLM Agents · github.com/mihh08/rewind

2026

TypeScript, Node.js, SQLite, SSE, Anthropic SDK

- Built deterministic record/replay debugging for LLM agents: record an agent run once, then replay it byte-exact offline with zero network calls and zero token cost.
- Injected a recording fetch at the SDK transport boundary, with no proxy and no monkey-patching, journaling every non-deterministic input (LLM responses, exact SSE chunk boundaries, tool results, time, randomness) into a content-addressed SQLite journal.
- Implemented request canonicalization and fingerprinting to survive unstable key ordering and volatile headers, plus arrival-order pairing so concurrent identical requests replay byte-exact.
- Shipped counterfactual forking: rewrite any recorded step and compute the alternate future via hybrid replay, keeping forked runs fully replayable offline. Covered by 69 tests including real-SDK stream integration and concurrency races.

AgentLens - Open-Source AI Agent Observability · github.com/mihh08/AgentLens

2026

TypeScript, Node.js, Git internals, HTML reporting

- Built an open-source, fully local CLI that instruments AI coding-agent sessions and generates an HTML audit report of file changes, shell commands, test results, and risky operations, with no cloud, backend, or telemetry.
- Flags high-risk operations (env files, lockfiles, migrations, deletions) and generates PR-ready Markdown summaries so developers can review agent work before committing it.
- Designed the full pipeline from session capture to report generation, writing all state to a local .agentlens/ directory with no external dependencies.

Shiplog - Build-in-Public CLI · github.com/mihh08/shiplog

2026

TypeScript, Node.js, Commander, Git

- Built a zero-config command-line tool that parses git history into a dated Markdown build-in-public update with shipped changes, next goals, and an X/Twitter-ready snippet.
- Implemented a flexible CLI with configurable time ranges, custom templates, and file output, distributed via npm.

EDUCATION

Lakehead University - Bachelor of Science, Computer Science

Sept 2021 – Dec 2024

- Top marks in Software Engineering (90%), Discrete Mathematics (90%), and Computer Programming II (89%).
- Relevant coursework: Algorithm Design & Analysis, Data Structures, Operating Systems, Database Management, AI Fundamentals, Object-Oriented Programming.
- Active member of Google Developer Student Club; ran Google Cloud workshops and mentored junior students in core programming.