

# GENTIAN MEVLANI

Full-Stack Software Engineer • Developer Tools & AI Agent Systems

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[vibecheckai.dev](https://vibecheckai.dev) • [shipgate.dev](https://shipgate.dev) • [guardefi.net](https://guardefi.net) • [guardiavault.com](https://guardiavault.com)

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## PROFESSIONAL SUMMARY

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Full-stack software engineer and product builder with a track record of shipping developer-facing tools across VS Code, CLI, GitHub Actions, npm, and web dashboards. Built and launched products with real adoption — VibeCheck (20,000+ downloads), ShipGate (5,000+ downloads), Claude Conscious (published on npm). Deep in TypeScript, React, Next.js, Node.js, and AI agent infrastructure, with prior project-management and business-ownership experience that adds execution discipline and end-to-end ownership.

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## TECHNICAL SKILLS

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<b>Languages</b>	TypeScript, JavaScript, Python, SQL, Solidity, HTML/CSS
<b>Frontend</b>	React, Next.js, Vite, Tailwind CSS, Three.js
<b>Backend</b>	Node.js, REST APIs, PostgreSQL, OAuth, Stripe billing/webhooks
<b>Platform &amp; DevTools</b>	VS Code Extension API, CLI tooling, GitHub Actions, npm publishing, pnpm monorepos, SARIF
<b>AI &amp; Agent Systems</b>	LLM orchestration, multi-agent architectures, procedural memory, cognitive fingerprinting, session analysis, Claude Code hooks

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## SOFTWARE ENGINEERING EXPERIENCE

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### Independent Developer & Product Builder | *Remote*

2025 – Present

#### Claude Conscious — Procedural memory and consciousness for Claude Code

*npm: [claude-conscious](https://www.npmjs.com/package/claude-conscious) • [github.com/gentianmevlani/Claude-Conscious](https://github.com/gentianmevlani/Claude-Conscious)*

- Built and published a 13,000-line TypeScript system that gives Claude Code procedural memory — the ability to learn from past session outcomes and improve over time.
- Engineered a 6-layer cognitive architecture: transcript parsing → pattern extraction → strategy injection → metacognition (cognitive fingerprinting, predictive strategy ranking) → consciousness (narrative identity, epistemic mapping, user modeling, pre-mortem failure prediction).
- Built a session replay engine that predicts failures before they happen using historical patterns — correctly predicted a failed session at 95% confidence across 118 real sessions.
- Integrated with Claude Code's hooks system (Start + Stop) for zero-config automatic strategy refresh with closed-loop effectiveness tracking.
- Published to npm with 69 passing tests, 15 CLI commands, and full TypeScript type coverage.

#### VibeCheck — AI code verification tooling

*[vibecheckai.dev](https://vibecheckai.dev) • [github.com/gentianmevlani/Vibecheck](https://github.com/gentianmevlani/Vibecheck)*

- Built and launched a developer tooling product across a VS Code extension, CLI, and GitHub Action — 20,000+ downloads.
- Developed code analysis systems to detect unreliable AI-generated output: phantom dependencies, ghost API routes, invalid SDK usage, credential leaks, missing environment variables.
- Engineered dependency and project analysis infrastructure including typo-detection logic (Damerau-Levenshtein), lockfile parsing, TTL-based LRU caching, and monorepo workspace resolution.

- Built billing and access infrastructure with Stripe, quota enforcement, webhook handling, and entitlement management.

### **ShipGate** — Merge gate and PR workflow tooling

[shipgate.dev](https://shipgate.dev) • [github.com/gentianmevlani/ShipGate](https://github.com/gentianmevlani/ShipGate)

- Built and launched a CLI and GitHub Actions-based merge gate for Next.js applications — 5,000+ downloads.
- Implemented merge-time evaluation of App Router surface area to generate ship/no-ship decisions with actionable output for engineering workflows.
- Built supporting dashboard for organization management, integrations, and billing.

### **ISL** — Intent Specification Language

[github.com/gentianmevlani/ISL](https://github.com/gentianmevlani/ISL)

- Designed and built a domain-specific language for specifying software intent — compiler, standard library, VS Code language support, and verified build system.
- Implemented a monorepo of 15+ packages including code generation, telemetry, tracing, and a visual studio.

### **GuardeFi** — Web3 security and analytics platform

[guardefi.net](https://guardefi.net)

- Architected a multi-service security stack for web3: contract scanning, mempool monitoring, MEV analysis, blockchain forensics, and dashboard interfaces across 4 related repositories.

### **GuardiaVault** — Blockchain inheritance protocol

[guardiavault.com](https://guardiavault.com) • [github.com/gentianmevlani/GuardiaVault](https://github.com/gentianmevlani/GuardiaVault)

- Built a blockchain-based inheritance protocol with DeFi tooling, analytics workflows, and production wallet interactions.

### **Additional Product Work**

- **WikiCode** — VS Code extension for intent-driven codebase navigation using semantic indexing, search, and LLM-assisted planning.
- **FullStackFlow** — Multi-agent system that generates complete applications across frontend, backend, documentation, and build workflows.
- **Paradex Wallet** — Full-featured crypto wallet with cross-chain bridging, DEX aggregation, fiat onramp, and AI-powered portfolio analysis.

## P R I O R   P R O F E S S I O N A L   E X P E R I E N C E

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### **Owner & General Contractor** | Mevlani Made Remodeling Services

2023 - 2025

- Founded and operated a remodeling business, managing client communication, budgets, scheduling, procurement, and delivery across renovation projects.
- Owned full project lifecycle from acquisition and planning through completion and resale.

### **Electrical Project Manager** | Edison Electrical

2019 - 2023

- Managed electrical installation and service projects from estimation through delivery across residential and commercial work.
- Coordinated crews, timelines, materials, compliance, and client communication while maintaining budget and schedule accountability.

## E D U C A T I O N

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**Associate Degree** | Front Range Community College | 2016 - 2019

**High School Diploma** | Horizon High School

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