

# ATHARV SINHA

SENIOR SOFTWARE ENGINEER  
FULL-STACK & AI SPECIALIST

## CONTACT

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## TECHNICAL SKILLS

### AI / ML

- RLHF
- SFT
- Prompt Eng.
- LLM
- RAG
- Agentic AI
- Multi-Agent
- LangGraph
- MCP
- HITL
- AI Eval
- CoT · ReAct
- RL Gym

### FRONTEND

- TypeScript
- React
- Next.js
- Shadcn/UI
- Zod
- WebSockets
- Storybook
- PWA
- React Query
- Context API

### BACKEND

- Node.js
- Python
- Flask
- Go
- PostgreSQL
- NoSQL
- RabbitMQ
- SQS · SES
- REST APIs

### INFRASTRUCTURE

- AWS
- Docker
- GitHub Actions
- Serverless
- CI/CD
- Vercel
- Git

## EDUCATION

### B.Tech — Information Technology

Manipal University Jaipur  
Graduated 2021

## BEYOND WORK

- Released original music as an independent recording artist
- PADI Certified Advanced Open Water Diver

## PROFILE

Senior Full-Stack Engineer and AI Specialist with 5 years of experience across production software engineering and advanced AI model training. **One of the first engineers globally to build hybrid Reinforcement Learning Gyms for agentic AI systems.** Contributed to the **ServiceNow April-1.5-15B Thinker** that publicly outperformed Gemini 2.5 Flash. Promoted to Pod Lead based on output quality; achieved **99% client accuracy — highest across all pods**. Seasoned async remote collaborator across 4+ time zones. Combines deep AI intuition — RLHF, SFT, CoT, multi-agent — with full-stack engineering in TypeScript, React, and AWS.

## EXPERIENCE

### Senior AI Training Specialist & Pod Lead

Oct 2024 — Jan 2026

#### ServiceNow via Turing

Remote · Async collaboration across 4 time zones (US, UK, India, APAC)

- Progressed from trainer to Pod Lead within weeks; reviewed **16 complex AI training tasks daily** (4 prompts × 4 trainers) — pod achieved **99% client-rated accuracy, the highest across all pods** on the project.
- Contributed to the **ServiceNow cognitive model** trained on CoT + ReAct reasoning that publicly outperformed Gemini 2.5 Flash in the cognitive domain.
- Among the **first engineers globally** to build hybrid RL Gyms for agentic AI; trained agents to navigate and execute cross-platform enterprise workflows across generic CSM, ITSM, and HRMS environments alongside Google Calendar, PayPal, and Microsoft Teams.
- Consistently created **3-4 SOTA-breaking SFT datasets per day** in the ServiceNow cognitive domain; authored complex 3-5 turn conversations with system prompts, thinking traces, and assistant responses designed to break state-of-the-art models.
- Served on the research team: reviewed ML papers (CoT, ReAct, agentic RL), co-authored training guidelines, and peer-reviewed trainer notebooks to raise data quality across the project.
- Evaluated RLHF coding tasks during onboarding phase: rated 4 candidate responses per prompt across correctness, code quality, library recency, and executability; generated gold-standard reference responses across 5 days/week for 2 months.

### Software Engineer

Jun 2024 — Aug 2024

#### Ernest (joinernest.com) · Contract

Remote · Async collaboration across multiple time zones

- Revamped the objectives portal using React, React Query, and Go; **reduced the steps required to access objectives by 75%**, meaningfully improving daily active workflows.
- Re-engineered a legacy project timeline tool into a fully interactive, highly performant graph-based visualization layout using custom React rendering algorithms; eliminated redundant navigation paths and cut access steps by 50%.
- Integrated the redesigned objectives portal into Ernest's Progressive Web App (PWA).
- Optimised Go API endpoints powering the objectives portal, reducing latency and improving reliability.
- Implemented components within Ernest's Storybook-driven internal design system; collaborated asynchronously with engineers across US, EU, and APAC time zones.

### Senior Software Engineer

Aug 2023 — Jun 2024

#### InsureComp

Remote · Async collaboration with US-based clients and cross-functional teams

- Architected modern client-side application state using Functional React and Context API, decoupling layout structures from business logic to eliminate deep prop-drilling patterns across a 50-state dynamic workspace.
- Engineered a decoupled, multi-tenant background calculation engine in Node.js to compute 50+ complex insurance formulas dynamically, ensuring state-by-spec validation compliance before flattening data into editable PDFs.
- Migrated the entire engineering codebase from GitLab to GitHub, **saving \$5,000 USD annually**.
- Mentored 3-4 junior engineers on a complex insurance backend handling multi-state interest calculations; acted as technical lead and primary client liaison for requirement scoping.
- Translated non-technical requirements from US banking clients into engineering specifications across multiple projects, bridging business and technical stakeholders.

## Fullstack Software Engineer — Integrations

Oct 2022 — May 2023

### Yoti · Full-Time

Remote · Async cross-functional teams

- Built a marketplace of complex integration workflows connecting Yoti's eSignature and biometric identity products (KYC / age estimation) with third-party B2B SaaS platforms.
- Designed an end-to-end employee onboarding workflow integrating Rippling, BambooHR, and Zoho — combining email automation, online KYC identification, and eSignature into a single automated flow.
- Engineered Stripe-integrated workflows enabling users to complete signup, eSignature, identity verification, and billing activation in a single uninterrupted experience.
- Built reusable workflow templates across storage, email, SMS, and identity-triggered automation, expanding Yoti's integration ecosystem for B2B clients.

## Fullstack Software Engineer

Jan 2021 — Jun 2022

### Better Ed Co

- Built a live extracurricular learning platform supporting guitar, chess, dance, and cooking; used Agora RTC to deliver real-time video calls with interactive engagement features for US-based students.
- Conducted product-market fit research in collaboration with investors to inform platform direction and feature prioritisation.

## Data Science Intern

May 2019 — Jul 2019

### Sterlite Technologies

- Performed data classification, analysis, prediction, and visualisation using Pandas, Matplotlib, and Seaborn.

## NOTABLE ACHIEVEMENTS

### 01 · MODEL BENCHMARK

**ServiceNow Cognitive Model** beat Gemini 2.5 Flash — publicly acknowledged by Turing/ServiceNow; contributed via SFT + CoT + ReAct pipeline.

### 02 · FIRST MOVER

**Hybrid RL Gyms** — among the earliest practitioners globally building agentic AI across multi-product enterprise environments.

### 03 · QUALITY LEADER

**99% client-rated accuracy** as Pod Lead — highest across all pods on a multi-timezone AI training project.

### 04 · IMPACT

**75% reduction in access steps** at Ernest via UX optimisation · **\$5K/year saved** at InsureComp via infrastructure migration.

### 05 · TECH DEBT ERADICATION

**Architectural Overhaul** — modernised legacy class-based React codebases to functional patterns; eliminated prop drilling & improved maintainability.

### 06 · ECOSYSTEM GROWTH

**B2B Marketplaces** — launched end-to-end automated integration workflows across Rippling, Stripe & Zoho, scaling enterprise interconnectivity.