

# Shiva Prasad Manupadi

## Staff Software Engineer

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## SUMMARY

- **Staff Software Engineer** with **13 years of experience** building enterprise platforms at ServiceNow, Kony, and Cognizant, and developer products as an independent founder.
- At ServiceNow, built core ITSM products **serving 12,000+ enterprise customers**; co-inventor on a **granted US patent**.
- Since 2021, independently designed, built, and operate **six live developer products** end to end on Cloudflare's developer platform.
- Open-source author (Traks, Postey), with deep expertise in **TypeScript, React, and serverless architecture**.
- Awarded multiple **Algorand Foundation grants** for developer tooling.

## EXPERIENCE

### Independent Software Engineer · Self-employed

Sep 2021 – Present

Hyderabad, India · Six live products, each owned from product design through production operations

- Six developer products designed, shipped, and operated solo, from architecture and UI to billing, deployment, and on-call.
- **PayWeave** ([payweave.app](https://payweave.app)): payment and discovery layer for AI agents that turns any API into a machine-payable endpoint with per-request USD pricing settled in USDC over Stripe's Machine Payments Protocol and x402, plus a marketplace where agents discover and pay autonomously.
- **OtterKit** ([otterkit.com](https://otterkit.com)): agent-first alternative to ngrok, with instant HTTPS tunnels and always-on webhook endpoints, shipped as a CLI, an MCP server for AI agents, and a native Mac app built with Tauri.
- **Temporium** ([temporium.xyz](https://temporium.xyz)): passkey-secured, payments-first web wallet for the Tempo blockchain: WebAuthn passkeys as wallets with no seed phrases, batch and scheduled payments, a TIP-20 token studio, scoped access keys, and shareable payment links settled over the Machine Payments Protocol.
- **FlareDesk** ([flaredesk.dev](https://flaredesk.dev)): native desktop dashboard for local Cloudflare Workers development, built with Tauri: browse and edit D1, KV, R2, and Durable Objects, tail logs, and replay requests.

## OPEN SOURCE CONTRIBUTIONS

- **Traks** ([traks.dev](https://traks.dev) · [github.com/shivamanupadi/traks](https://github.com/shivamanupadi/traks)): privacy-first, cookieless web analytics, open source and free for anyone to deploy into their own Cloudflare account. Sub-1 KB tracker; hot/cold architecture serving live dashboards from Durable Objects with history in Iceberg tables on R2 via R2 SQL; ingestion through Cloudflare Pipelines; live visitor world map; bot and AI-agent traffic analytics, including WebMCP tool calls; daily-rotating visitor hashes instead of raw IPs; shareable public dashboards. TypeScript monorepo on Workers, D1, Drizzle, and Vite. Released August 2026, with 25 self-hosted installations in its first month.
- **Postey** ([postey.app](https://postey.app) · [github.com/shivamanupadi/postey](https://github.com/shivamanupadi/postey)): self-hosted email for apps and agents, installed into your own Cloudflare account by a deploy wizard that provisions worker bundles, D1 migrations, and the dashboard. Send: Resend-compatible transactional email API with domain-scoped hashed keys, idempotent sends, an email log with rendered previews, templates, an auto-fed suppression list, and signed webhooks, delivering inline through Cloudflare Email Service. Inbox: inbound mail via Email Routing, parsed and threaded to the outbound send it answers, stored in D1 and R2. Built-in MCP server so coding agents can send, read, and reply to email.

- **Dappflow**: blockchain explorer for Algorand covering local sandboxes, testnet, and mainnet by pointing at any node configuration: blocks, transactions with group and inner transaction support, assets, and applications with global state and approval programs; an ARC validator for ARC-3, ARC-16, ARC-19, and ARC-69 that separates errors from suggestions; a swagger-like ABI visualizer that renders method signatures and decodes app-call arguments; a KMD-backed dispenser and node status checks. Adopted by the Algorand developer community, proposed for the Foundation's official docs, and continued by the community as algo.surf.
- **TealCraft**: Remix-style, zero-setup web IDE for Algorand smart contracts: write, compile, test, and deploy TealScript and Puya contracts entirely in the browser.
- **PixelNode**: one-click Algorand node manager: installs and runs a full node with a single command, with a web UI for node health, participation-key management, and consensus participation, making node running accessible to non-technical operators.
- **Asset Manager**: portal for the full lifecycle of Algorand Standard Assets on any network, local, testnet, or mainnet, explorer-style: create and configure assets, update manager, reserve, freeze, and clawback roles, mint and distribute to holders, handle opt-ins, freeze and unfreeze accounts, claw back and destroy assets.
- **App Manager**: the same lifecycle portal for Algorand applications: deploy and update smart contracts, call methods, manage opt-ins, close-outs, and clear state, inspect global and local state, and delete apps, on local, testnet, or mainnet.
- **Fundstack**: 100% decentralized fundraising platform on Algorand for raising ICO money entirely through smart contracts, with no intermediary holding funds: a fundraiser portal to launch and manage raises and an investor portal to discover projects, invest, and claim allocations, connecting early-stage projects with early community investors.

## ServiceNow · Hyderabad, India

Apr 2016 – Sep 2021

Staff Software Engineer (2021) · Senior Software Development Engineer (2018–2021) · Software Engineer (2016–2018)

- Full-stack engineer on the ITSM suite of the Now Platform for five and a half years; promoted twice, reaching Staff Software Engineer.
- Core engineer on **On-Call Management** throughout: built rota and roster creation, scheduling, and escalations end to end, across the React and Angular frontends and the TypeScript platform backend; handled many customer-escalated incident tasks and fixed numerous high-priority incidents in production.
- Delivered features across **Incident Management, Problem Management, and Incident Alert Management**, flagship ITSM products that are part of ServiceNow's core offering, generating multiple billions in revenue and serving 12,000+ enterprise customers.
- Co-inventor on **US Patent [11,277,321 B2](#)**, Escalation Tracking and Analytics System (granted 2022), born out of the on-call and incident work: real-time tracking of support escalations across contact channels, recording attempts, agent responses, and timings to surface service delivery gaps.

## Product Developer · Kony, Inc. · Hyderabad, India

May 2014 – Apr 2016

- Early engineer on **Kony Mobile Backend-as-a-Service (MBaaS)**, working primarily on its **Sync and Storage modules**: built the customer-facing frontend portal in AngularJS and ReactJS, authored the platform's **TypeScript SDKs**, and contributed to Express.js backend services.

## Web Application Developer · Cognizant Technology Solutions · Hyderabad, India

Dec 2012 – May 2014

- Started as a JavaScript developer, building Angular and React frontends for **Verizon** client portals.

## SKILLS

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**Languages:** TypeScript, JavaScript

**Frontend:** React, Next.js, Angular, AngularJS

**Backend & Cloud:** Node.js, Hono, Express, Cloudflare Workers, Durable Objects, D1, R2, Queues

**Data & Tooling:** PostgreSQL, SQLite, Drizzle ORM, Tauri, MCP, x402 / MPP payments, Turborepo

## EDUCATION

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**B.Tech, Computer Science & Engineering**, MVSR College of Engineering, Hyderabad

2008 – 2012