Samson P G

Full-Stack Software Engineer — TypeScript, Next.js, Node.js, PostgreSQL

Kerala, India · Open to roles across India, remote, and abroad, including the Gulf · Available immediately
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Scan or click — live projects & code

PROFESSIONAL SUMMARY

AI-native product builder with 2+ years in software roles, plus 10 months of intensive full-stack training. Shipped six production apps with Claude Code across the **Try family** and **Acsaven Lab** (including **Repo Mentor** and **llm-docs-lab**) on **TypeScript, Next.js, Node.js and PostgreSQL**, owning the work that appears after launch: authentication and authorisation, data encryption, payment webhooks, automated testing and CI — and being the person on call when it breaks. Learning hands-on coding alongside AI-assisted delivery. Open to full-stack or frontend roles anywhere in India, remote, or abroad, including the Gulf; prior work experience in Bahrain (2018–2022).

TECHNICAL SKILLS

How I build AI-assisted development with Claude Code and GitHub Copilot; the technologies below are what my shipped products use. Hands-on coding: learning now.

Languages TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3

Frontend React, Next.js (App Router), Astro, responsive design

Backend Node.js, Express, REST APIs, serverless functions, webhooks, authentication & authorisation (RBAC, OAuth, TOTP 2FA)

Databases PostgreSQL, Supabase, MongoDB; schema design, migrations, Row-Level Security

Cloud & DevOps Vercel, Cloudflare Workers, Git, GitHub Actions, CI/CD pipelines

AI / LLM RAG, embeddings, vector databases (Vectorize), prompt engineering, LLM evaluation, prompt-injection defence, tool-calling agents

Testing & QA Vitest, Playwright, unit, integration and end-to-end testing, automated quality gates

Security AES-256-GCM encryption at rest, secrets management, idempotent webhook verification

Practices Agile delivery, technical documentation, technical SEO

Spoken English (professional), Hindi (professional), Malayalam (native)

PROFESSIONAL EXPERIENCE

Founder & AI-Native Product Builder — Acsaven (Self-Employed) Jun 2026 – Present · Remote

Independent software studio. Six products live across Try utilities and Lab teaching systems, built alone by directing Claude Code: architecture, database design, security, payments, testing, accessibility, SEO and deployment.

- Shipped **TryTokka**, a multi-tenant SaaS for AI API spend monitoring, on **Next.js, TypeScript and PostgreSQL (Supabase)** deployed to Vercel — **99 REST API routes, 71 database migrations, 743 automated tests and 22 end-to-end Playwright suites**.
- Built a provider integration layer of **eight adapters, four verified against live accounts** (OpenAI, Anthropic, Gemini, OpenRouter), reading billing and usage endpoints one request at a time, so one provider's failure never blocks the others, and normalising the results into a single reporting schema.
- Shipped publicly auditable credential security: **AES-256-GCM** encryption of stored API keys, PostgreSQL **Row-Level Security**, and **TOTP two-factor auth**. The three credential modules are open source so the claims can be checked.
- Integrated **three payment providers** (Razorpay, Dodo, Stripe) with signature-verified, **idempotent webhooks** and a reconciliation ledger that raises an alert when a payment is captured but not recorded.
- Shipped server-side **role-based access control** and fixed a **privilege-escalation defect** where three code paths compared roles by equality instead of exclusion, granting read-only users write access.
- Delivered three static products — **TryQuickImg, TryDevSnip and TryCalculatingNow** — on **Astro and Cloudflare Workers**, ~670 pages combined, with all processing done in the browser, so users' files and inputs never leave their device.

- Shipped **Repo Mentor** on **Cloudflare Workers** — offline-first codebase onboarding (scan → knowledge brain → teach) with playlists, SRS quizzes and a **Blueprint architecture map** using fixed pin positions and camera pan/zoom; no account and no required LLM.
- Built **llm-docs-lab** on **Cloudflare Workers AI and Vectorize**: cited answers over a fixed LLM-docs corpus, tool-calling agent ceilings, and published evals — **100% recall@6** on answerable golden-set questions and **0/10 prompt-injection attacks** landing.
- Published **@acsaven/astro-ops** on npm (MIT) — automated build gates that turn silent deploy failures into build failures — and **Scout**, a **VS Code Marketplace** extension for live API spend via a read-only token.

Software Developer — Benagon Technologies

Jul 2024 – May 2026 · Kochi, India

Frontend Web Developer (internship), Jul – Oct 2024; Software Developer (full-time), Oct 2024 – May 2026.

- Delivered features on **20X**, a healthcare staffing CRM — shift scheduling, compliance tracking and digital timesheets for UK and international care agencies, using AI tools (GitHub Copilot) in its React and TypeScript codebase.
- Delivered candidate-management and connected hiring-workflow features for **RecruitBee**, a recruitment platform under the company's ByteRiver Group brand — a sibling product to 20X, same stack and team.
- Prototyped a new chat UI and admin area for **LifeWeb**, a conversational-AI chat product, after taking it over from its original developer.
- Moved from a frontend internship to a full-time Software Developer role within four months.

MERN Stack Trainee — Brototype

Dec 2022 – Oct 2023 · Kochi, India

- Intensive full-stack JavaScript programme building projects across **MongoDB, Express, React and Node.js**, covering REST API design, authentication and deployment.

EDUCATION

- **MSc, Electronics** — University of Calicut (2014 – 2016).
- **BSc, Electronics with Computer Application and Mathematics** — University of Calicut (2011 – 2014).

EARLIER CAREER

- **Designer / Production In-Charge — Al Shayeb Advertising (Actual Advertising)**, Bahrain (Jun 2019 – Nov 2022) · **Sales Executive — DotLine Computers (Realpoint Computer)**, Bahrain (Jun 2018 – Jun 2019). Client-facing delivery under hard deadlines.

SELECTED WORK

Portfolio — samsonpg.github.io
TryTokka (SaaS) — trytokka.com
Repo Mentor — repomentor.acsaven.com
RAG + evals + agent — llmdocs.acsaven.com · github.com/acsavenhq/llm-docs-lab
npm package — npmjs.com/package/@acsaven/astro-ops
Open-source security modules — github.com/acsavenhq/trytokka-security
VS Code extension — marketplace.visualstudio.com (search "Scout AI Spend Tracker")