

Anandhu O R

Senior Software Engineer | Full-Stack & Systems | Go, TypeScript, Cloud

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SUMMARY

Senior engineer with 4+ years building production software across web, mobile and desktop. Delivers fintech platforms at bank scale, developer tooling used by internal teams, and systems-level services in Go. Comfortable owning a product end to end — backend, frontend, packaging and deployment. Current focus is developer tooling, local-first AI, and reducing dependency surface in long-lived codebases.

SKILLS

Languages Go, TypeScript, JavaScript, Python, SQL

Frontend React, React Native, Next.js, SvelteKit, Redux, Tailwind CSS

Backend & Systems Go, Node.js, REST, WebSockets, microservices, Wails (Go + web desktop apps)

Cloud & Edge GCP, Cloudflare Workers / Durable Objects / R2, Docker, Kubernetes, GitHub Actions

Data PostgreSQL, MongoDB, MS SQL, Supabase

AI tooling Local LLM runtimes (Ollama, LM Studio, llama.cpp, vLLM), tool-calling agent loops

Practice Micro-frontend architecture, low-code systems, CI/CD, E2E testing (Cypress)

EXPERIENCE

Grampro Business Services Pvt. Ltd.

Senior Software Engineer

Koratty InfoPark, India

Apr 2023 – Present

Lead engineer on fintech platforms for ESAF Small Finance Bank and on internal developer tooling.

- **Local-first coding agent (GBS SE Agent).** Designed and built an autonomous coding agent shipped as a VS Code extension. The entire agent loop runs against a local model (Ollama, LM Studio, llama.cpp, vLLM), so proprietary source never leaves the developer's machine — the blocker that kept hosted agents out of the organisation. Tool calling, subagents, a skills system, and approval gates on destructive commands.
- **Headless component library (GramproKit).** 29 copy-in React primitives with zero runtime dependencies; behaviour and accessibility live in the component, appearance entirely in CSS variables, with a CLI for installing single blocks. Removed a third-party dependency tree from the organisation's frontends.
- **Micro-frontend architecture** across Webpack and Vite, letting teams ship independently against a shared shell.
- **JSON-driven dynamic forms and an AI form builder**, cutting repetitive frontend work and improving project delivery time by approximately 20%.
- **Real-time chat** built on Next.js and Go.
- Ongoing applied research into local inference runtimes and agent architectures, feeding directly into the tooling above.

Apton Works Pvt. Ltd.

Software Engineer (Full-Stack)

Koratty InfoPark, India

Sept 2022 – Mar 2023

- Built an e-commerce analytics platform on Next.js and GCP Cloud Functions, improving data processing speed by 40%.
- Deployed cloud automation tooling that widened stakeholder access to reporting data.

Apton Works Pvt. Ltd.

Software Engineering Intern

Koratty InfoPark, India

Apr 2022 – Sept 2022

- Contributed to internal tools and client-facing prototypes in React, Next.js and Python.

Freelance Software Developer

Self-employed

India

Jan 2020 – Present

- Cross-platform mobile, desktop and web applications for clients in e-commerce, nonprofit and services, using React, React Native, Go, Node.js and PostgreSQL.
- **Punchora (HRMS).** React Native HRMS with facial-recognition attendance, live GPS tracking and leave management — published on both the App Store and Google Play.

- 3+ production applications delivered end to end, including store submission and release.

SELECTED PERSONAL PROJECTS

- **Web Scanner** — Go. Passive attack-surface discovery. Finds subdomains in certificate transparency logs (crt.sh, Cert Spotter) with DNS verification, and routes from web archives, robots.txt and sitemaps. Every finding carries the source it came from. No database; in-memory, rate-limited, deployed as a single static binary.
- **FileDrop** — Go, Wails, React Native, Cloudflare R2. Device-to-device file transfer over short pairing codes, with no account and automatic cleanup after the transfer. Desktop, web and Android clients.
- **SysInfo Pro** — Go, Wails, Svelte. Zero-install Windows utility: real-time RAM forecasting, multi-stream speed tests, battery analytics, shipped as one portable executable.
- **BusTrack** — Next.js, React Native, Supabase. Transit ETAs computed from live vehicle telemetry and historical arrival patterns.
- **imanandhu.in** — SvelteKit, Cloudflare Workers, Durable Objects. Personal site whose palette tracks the hour in Kerala, with a live now-playing feed pushed over WebSocket using the Durable Object hibernation API.

EDUCATION

Kerala University
M.Sc. Computer Science

Alappuzha, Kerala, India
2020 – 2022

Kerala University
B.Sc. Computer Science

Alappuzha, Kerala, India
2017 – 2020