

Indra Dev Nakka

Hyderabad, India · indradevnakka@gmail.com · github.com/nakka-labs

SUMMARY

Full-stack software engineer with production experience across Java, Python, JavaScript/TypeScript and SQL, spanning enterprise client delivery, digital accessibility engineering, and recent end-to-end builds integrating LLM pipelines, workflow automation and identity management. Comfortable across the stack and in unfamiliar codebases, with a working command of Python, TypeScript, React and C#. M.S. in Computer Science, Santa Clara University.

TECHNICAL SKILLS

Languages	Java, JavaScript / TypeScript, Python, C# (Unity), SQL
Web	React, HTML5, CSS3, REST APIs, Node.js
Data	MySQL, PostgreSQL — schema design, queries, stored procedures
Accessibility	WCAG 2.1 / 2.2, Section 508, screen-reader testing (JAWS, NVDA), axe, audit automation
Tooling	Git, Docker, Unity, Blender, Linux, scripting and test automation

EXPERIENCE

Independent
Hyderabad, India

May 2022 – Present

Relocated to India for family reasons. Continued independent technical work throughout.

Full-Stack Developer — Trē Wellness CRM
Ascent Intelligent Technologies · two-developer team

Jun 2026 – Present

- One of two developers on a Next.js 14 / TypeScript / Prisma / PostgreSQL CRM built for a wellness clinic, replacing a manual Google Sheets workflow across lead capture, sales pipeline, guest records and messaging. ~330 commits; currently in testing against live data on a self-hosted deployment.
- Built features across a stack covering Keycloak OIDC authentication with role-based access control across seven roles, a drag-and-drop leads pipeline, Plivo VoIP click-to-call with in-app recordings, and SMTP/IMAP email threading with auto-lead creation.
- Contributed to a self-hosted LLM layer (Ollama) performing lead scoring, call-quality analysis and next-programme recommendation, with a full audit trail of every prompt and response — ~7,600 decisions logged at over 99% success.
- Encrypted health records (AES-256-GCM), MinIO presigned document storage, Docker Compose orchestration, and GitHub Actions CI with a Vitest suite and per-PR test reporting.

Product Manager — RenewAvia (India) / HydroAvia (US)

Jul 2024 – Dec 2024

Hydrogen-powered autonomous drone platform — first technical hire

- Joined as first employee and defined the product and technical roadmap for an autonomous drone swarm targeting forestry survey and mapping.
- Scoped the software stack — autonomous navigation, 3D mapping, and digital-twin modelling — and ran component research across airframe, sensor payload and hydrogen fuel-cell systems.
- Hired and trained a team of three engineers, establishing their onboarding, tooling and working process from scratch.

Independent Game Development

2022 – Present

- Built and shipped multi-platform game projects in Unity (C#) and Blender, covering gameplay systems, asset pipelines and cross-platform build targets.
- Handled the full cycle solo: prototyping, performance profiling, build automation and platform-specific packaging.

Accessibility Engineer

Aug 2020 – May 2022

Tata Consultancy Services — Bloomington, IL, USA · Client: State Farm

- Audited web and mobile applications against WCAG and Section 508 for a Fortune 100 insurance client, producing detailed remediation reports for engineering teams.
- Built internal scripts that automated large parts of the manual audit workflow, reducing review time per application.
- Worked directly with product and development teams to translate accessibility findings into specific code-level fixes.

Learning Experience Designer

Jan 2018 – Apr 2020

Sitecore — San Francisco, CA, USA · Part-time alongside M.S. coursework

- Redesigned the training and certification curriculum for Sitecore's developer platform, covering course structure, technical content and assessment material.
- Authored hands-on technical exercises and evaluation rubrics used to certify external developers on the platform.

Software Engineer — Full Stack

Jun 2014 – Dec 2017

TechAspect Solutions — Hyderabad, India · Client: Texas Instruments

- Built TutoMath, a full-stack web learning application teaching secondary-school students to use TI colour graphing calculators — owned both front end and backend.
- Developed backend services, data validation layers and database access code in Java against MySQL and PostgreSQL.
- Implemented modular front-end components in JavaScript, HTML5 and CSS with cross-browser support.

- Delivered against a Sitecore CMS integration, writing technical specifications and API documentation alongside product owners in Agile cycles.
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EDUCATION

M.S., Computer Science & Engineering

Santa Clara University, Santa Clara, CA, USA · 2019

B.Tech, Computer Science & Engineering

GITAM University, Visakhapatnam, India · 2014

Software Engineering Intern, Semantic Space (Hyderabad) — built a Java resume-parsing tool using bag-of-words keyword and token extraction.