Akhil Narang

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WORK EXPERIENCE

Senior Backend Engineer | Forta Health March 2026 - Current

- Automated insurance claim submission and EVV (electronic visit verification) reporting through practice-management, clearinghouse and state EVV integrations.
- Automated claim-status checks across 10+ payers, via payer-portal automation and a voice agent for payer phone lines, cutting manual effort ~90%; a deterministic workflow pipeline, with LLMs only for structured extraction.
- Replaced per-endpoint Auth0 permission claims with role-based authorization across every API endpoint, so access rules live in code and are reviewed and tested with each endpoint.
- Improved API and page load times with query optimization and read-replica routing.

Technologies: Python FastAPI PostgreSQL Playwright AWS

Engineer | Frappe September 2023 - March 2026

- Maintainer of the open-source Frappe Framework and bench CLI, and owned security triage: hotfixes on stable branches, structural fixes in major releases.
- Migrated the legacy query layer onto a pypika-based query builder, removing a raw-SQL injection surface.
- Added SQLite as a third database backend (after MariaDB and PostgreSQL), halving site creation time.
- Adopted `ruff` (~32x faster linting than flake8) and `uv` (3x faster installs); streaming backup restores with no extraction to disk.
- Built an opt-in Sentry integration collecting errors from thousands of Frappe Cloud sites.
- Reviewed 350+ PRs, triaged 250+ issues and handled 900+ L2/L3 support tickets.

Technologies: Python Redis MariaDB SQLite

Senior Backend Engineer | Navana Tech February 2021 - September 2023

- **Sayl.ai**: Built a WhatsApp commerce platform from scratch, used by 100+ brands and 1M+ end users: a node-based flow engine with keyword/NLP intent detection, plus automated broadcasts, cart recovery and delivery updates.
- **Zabaan**: Led the backend rewrite from flask-restx to FastAPI and split out a user-management service.
- **Bodhi platform** (part-time consulting, 2025-26): Built CMS APIs and integrated telephony providers.

Technologies: Python Go Redis MySQL PostgreSQL MongoDB Azure

PROJECTS

- **Val Esports Backend**: backend for a Valorant esports app with 2000+ active users. Started as a VLR.gg scraper; now also uses Riot's esports API and a live-stream scraper.
- **Synctacular**: helped a friend architect a WhatsApp ↔ Telegram bridge that grew into a fleet of Telegram bots in one Go binary, with a process supervisor and a residential egress tunnel.
- **AOSP Development**: core developer on Android ROMs such as Resurrection Remix (1M+ users at peak); ported new Android versions to several devices.
- **The SCRIPT Group**: co-founded a college tech group; ran workshops and taught university add-on courses.