

SADGURU CHENU

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SUMMARY

Software engineer experienced in Python, FastAPI, Django, React, and cloud-based applications, with hands-on experience building backend services, REST APIs, real-time systems, and SaaS applications. Skilled in asynchronous programming, PostgreSQL, Redis, Docker, and cloud-native microservices, with a focus on distributed systems and backend architecture.

EXPERIENCE

Accenture - Associate Software Engineer (Cloud Native Microservices)

Mar 2026 - Present

- Completed technical training in backend development, microservices, lightweight architecture, and cloud-native development.
- Supporting the UBI client engagement within the Qlik team, handling report refreshes, monitoring, troubleshooting, and issue resolution.

Talintz - Founder & Full-Stack Developer

Feb 2024 - Jul 2025

- Built a full-stack SaaS freelance marketplace using Django REST Framework and React.js, with real-time chat, milestone tracking, notifications, and file/media sharing.
- Designed the Outcome-Based Service Pack (OBSP) architecture to structure freelance projects around defined deliverables, milestones, and deadlines.
- Implemented asynchronous backend workflows using Celery and Redis, with JWT authentication and secure payment integration.
- Worked across backend architecture, frontend integration, deployment, and system design throughout the development lifecycle.

SKILLS

Languages & Frameworks: Python (Django, FastAPI), JavaScript (React, Next.js)

Databases, Backend & Architecture: PostgreSQL, MySQL, Redis, SQL, REST APIs, Microservices, Git, CI/CD, Docker

Core CS & DevOps: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks

Cloud: Google Cloud Platform (GCP), Oracle Cloud Infrastructure (OCI)

Relevant Training: Cloud Native Microservices, Microservices Architecture, Lightweight Architecture

PROJECTS

FieldChat- Real-Time Messaging Platform | [Live Demo](#) | [GitHub](#)

Tech Stack: FastAPI, WebSockets, Redis Pub/Sub, PostgreSQL, Async Engine (SQLAlchemy 2.0), React, Docker

- Built real-time messaging with FastAPI WebSockets and Redis Pub/Sub, achieving ~38 ms p50 and ~63 ms p95 message delivery latency across a 3,000-message benchmark in a local test environment.
- Implemented WebSocket multiplexing with the SharedWorker API, allowing multiple browser tabs to share a single WebSocket connection and eliminating redundant connections.
- Implemented VAPID-based Web Push for offline message delivery, Argon2 password hashing with multi-device sessions, and heartbeat-based connection health checks with automatic reconnection.

Memo - Structured Journaling & Task Automation System | [Live Demo](#) | [GitHub](#)

Tech Stack: FastAPI, Next.js, PostgreSQL, Async Engine (SQLAlchemy 2.0), Redis, APScheduler, Docker

- Developed an asynchronous REST backend supporting dynamic, user-configurable schemas with polymorphic field types (RichText, Checkboxes, Textareas) and ordered persistence.
- Implemented a background task pipeline using APScheduler cron triggers to execute scheduled reminders, async email delivery, and OTP verification flows.
- Improved database read performance on time-series journal records using UUIDv7 time-ordered primary keys, composite foreign-key indexes, and Redis caching.

Aiporo - AI Productivity Agent

Tech Stack: FastAPI, Python, RAG, Vector Embeddings, Google Cloud Platform (APIs & OAuth2)

- Integrated Google Calendar and Gmail APIs to automate event creation, email triage, and action-item extraction.
- Built a RAG pipeline using vector embeddings for semantic search and context-grounded responses.
- Implemented tool-calling and input validation for 50+ natural language commands.

LANGUAGES

Telugu (Native), **English:** Fluent (Reading and Writing), **Hindi:** Fluent (Reading and Writing)

PORTFOLIO AND PROFESSIONAL LINKS

- GitHub:** [sadhguru-slayer](#) **LinkedIn:** [Sadguru Chenu](#) **Leetcode:** [ChenuSadgurui](#) **Portfolio:** <https://sadguruchenu.in/>