Sandeep Sharma
Software Engineer

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Summary

Full-stack developer with 3+ years of experience building modular, scalable, and production-grade systems across fintech, SaaS, and support tooling. I care deeply about clean code, developer ownership, and meaningful collaboration. Recently worked on integrating LLMs into real-world workflows via external system integrations.

Skills

Languages & Frameworks	Web & App Development	Tools & Infrastructure	Other Skills
Python, JavaScript, SQL, Django, FastAPI, React, Node.js	HTML, CSS, SCSS, Flux, Zustand, Jotai, Electron.js, Chrome Extensions API	Docker, Git, Linux, Redis, Celery, Postman, AWS	Cross-platform development, API integration, Background task processing

Experience

Avyott Inc   March 2025 - August 2025
Software Engineer

LLM-Orchestrated System Automation

- Built real-time backend services enabling **LLMs to perform multi-step, context-aware tasks** using **live user input** and **system state**.
- Contributed to the architecture and development of **MCP-Server**, a middleware layer for orchestrating external system actions.
- Developed integrations with platforms like **Google Calendar**, **ServiceNow**, and **PetPooja**, automating real-world workflows through **typed, unified APIs**.
- Improved platform interoperability and reduced integration overhead across use cases.

Tech Stack: *Python, FastAPI, Celery, SQL, Docker, React.js, Next.js, LLM fundamentals*

LenDenClub   May 2023 - Apr 2024
Software Developer   Mumbai

Role-Based Access Control (RBAC)

- Built a **microservice** for managing user and service-level access across apps and dashboards.
- Migrated to **JWT-based authentication**, adding **token expiry** and **refresh flows** for better security.
- Integrated with a **React frontend** for seamless auth flows across the stack.

Bank Statement Management System

- Designed and developed a **standalone service** for uploading bank statements via **files, net banking**, or **OTP login**.
- Enabled **multi-tenant support** with partner-specific config options.
- Built a lightweight UI for admin workflows and submission tracking.

URL Shortener

- Rewrote a legacy service as a **Python package**, allowing teams to manage short URLs independently.
- Reduced deployment complexity by eliminating shared dependencies.

Tech Stack: *Python, Django, FastAPI, Celery, SQL, Docker, React.js*

Souk   Aug 2022 - Mar 2023
Frontend Engineer   Remote

Reporting Application

- Built a **desktop app (Electron.js)** to automate and deliver reports to **WhatsApp contacts**.
- Used **Python scripts** to fetch and preprocess data before rendering into report templates.

Sales & Support Platform

- Developed a web app for managing **tasks, notes, and client interactions**.
- Implemented a **Kanban board (react-dnd)**, **data grid (TanStack Table)**, and a **rich text editor**.
- Added support for various **media types** (text, images, docs, videos) to streamline workflows.

WhatsApp Chrome Extension

- Built a **Chrome extension** that injected platform tools into **WhatsApp Web**.
- Integrated a **Python-based backend API** to sync chat-linked notes and attachments in real time.

Design System & Reusability

- Created a **shared components library** to enforce design consistency and speed up frontend delivery.
- Maintained build scripts and development tooling using **Python and Bash**.

Tech Stack: *Python, SQL, React.js, HTML, CSS, SCSS, Electron.js, Docker, WhatsApp Business API, Chrome Extensions API*

Accenture   Mar 2021 - Feb 2022
Associate Software Developer   Remote

Cloud Migration & Secure Integration

- Migrated a **legacy reporting system** to **Azure Cloud**, reducing infra cost and maintenance effort.
- Rewrote key workflows as **Python scripts** to support cloud-based automation and reporting.
- Built a **PoC using Azure Key Vault** for secret management; adopted across teams to improve security.
- Fixed HTML rendering issues affecting report generation, ensuring a smooth online experience.
- Collaborated on secure deployment practices and integrated **key/config rotation** into CI/CD.

Tech Stack: *Python, Azure Key Vault, SQL, HTML, CSS, JavaScript*

Education

University of Mumbai   2016 - 2020
Information Technology   Bachelor of Engineering

Languages

English   Hindi