# 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

Python, JavaScript, SQL, Django, FastAPI, React, Node.js

### Web & App Development

HTML, CSS, SCSS, Flux, Zustand, Jotai, Electron.js, Chrome Extensions API

### Tools & Infrastructure

Docker, Git, Linux, Redis, Celery, Postman

#### Other Skills

Cross-platform development, API integration, Background task processing

#### Experience

**Avyott Inc**Software Engineer

March 2025 - Present

## MCP Servers and Integrations

- Developed third-party integrations with platforms like Google Calendar, ServiceNow, and PetPooja, streamlining external workflow automation and enhancing platform interoperability.
- Built real-time data systems that empower *LLMs* to make *dynamic decisions* based on *live user input* and *current system status*, enabling context-aware operations and intelligent responses.
- Contributed to the architecture and implementation of the MCP-Server, a middleware layer that facilitates real-world task automation by enabling LLMs to perform context-rich, multi-step actions across systems.

Tech Stack: Python, FastAPI, Celery, SQL, MCP-Server, Docker, React.js, Next.js, LLM fundamentals

**LenDenClub**Software Developer
Mumbai

#### **Role-Based Access Control**

- Built an *RBAC microservice* to manage *user and service-level access* across dashboards and mobile apps.
- Migrated the system to JWT-based authentication, adding token expiry and renewal mechanisms to improve security.
- Integrated the backend with a *React frontend*, ensuring *smooth and consistent* access behaviour across the stack.
- The service improved *system reliability* and helped maintain a *clear audit trail* of access patterns.

### Bank Statement Management System

- Designed and developed a standalone microservice that let users submit bank statements via uploads, net banking, or OTP-based login.
- Added partner-level configuration options, making the service usable in multi-tenant SaaS mode.
- Created a *simple UI* to support user submissions and admin workflows.
- The system made it easier for partners to *verify creditworthiness* and supported *scalable integration* with lending workflows.

### **URL Shortener**

- Rewrote the existing service as a *Python package* so that teams could manage *short URLs independently* in their own services.
- This change removed the need for a shared service and *reduced deployment overhead*.

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

Souk Aug 2022 - Mar 2023
Frontend Engineer Remote

# Reporting Application

- Built a *desktop reporting app* with *Electron.js* that let users *automate and customise reports*, delivered directly to *WhatsApp contacts*.
- This allowed key updates to reach stakeholders over their *preferred communication channel* without manual effort.

# Web Application for Sales and Support

- Helped develop a *dedicated platform* for sales and support teams to manage *tasks, notes,* and *client interactions*.
- Added a *Kanban board* using *react-dnd* for visual task management and a *TanStack Table* for organizing and filtering records.
- Integrated a *rich text editor* (Doist Typist) for structured notes and comments.
- Worked on features to handle various *media types* (text, images, documents, videos), helping teams *centralize materials* tied to communication workflows.
- These additions made the app *more usable and versatile*, especially for teams juggling multiple client conversations.

# Chrome Extension for WhatsApp Integration

- Contributed to a *Chrome extension* that injected our platform's tools directly into *WhatsApp Web*.
- Used the *Chrome Extensions API* to create a *side panel UI* that showed *notes, comments,* and *attachments* linked to the current chat.
- This helped users *track client history* and stay organized *without switching tabs*, improving *focus and responsiveness*.

# **Custom Components Library**

- Developed a shared UI components library to maintain consistent design across apps.
- Enabled faster development and better *UX consistency* by standardizing commonly used elements.

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

Accenture
Associate Software Developer
Remote

# **Cloud Migrations**

- Helped migrate a *legacy Java reporting system* from *on-premise infrastructure* to *Azure Cloud*, reducing both *infrastructure costs* and *maintenance overhead*.
- Fixed *HTML rendering issues* that were disrupting *cloud-based report generation*, ensuring a *smooth experience* for clients accessing reports online.
- Built and deployed a *proof of concept* using *Azure Key Vault* for *secret key management*.
- The solution was successfully *integrated into the migration* and adopted by other teams, *strengthening security* and improving how *sensitive data* was managed across the system.

Tech Stack: Java, HTML, CSS, JavaScript, SQL

Hindi

# Education

**University of Mumbai** Information Technology

**2016 - 2020** Bachelor of Engineering

Languages English

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