Sandeep Sharma

Software developer

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Experience

Fynd (Contracted via Deqode)   **Jul 2024 - Present**
Senior Solutions Engineer   Mumbai

- Optimised the Order Management System by identifying and fixing bottlenecks
- Created an encryption module for company's pyfit python utility library
- Fixed several sonar bugs/issues (Code quality as well as security class)

LenDenClub   **May 2023 - Apr 2024**
Software Developer   Mumbai

Role-Based Access Control

- I was solely responsible for developing a robust solution to control access rights for users and services.
- Designed and developed the RBAC microservice to facilitate authentication and authorization across various web dashboards and mobile apps. Migrated the backend system to use JWT (JSON Web Tokens) for enhanced security, implementing token expiration and renewal strategies to reduce the risk of token misuse. Integrated the backend APIs with a React-based frontend, ensuring seamless communication between the two layers.
- The microservice ensured secure, scalable, and efficient access control for the system, improving overall security and user experience.

Bank Statement Management System

- I was tasked with creating an independent microservice to allow multiple ways for applicants to submit their bank statements and provide companies with configurable options for processing these submissions.
- Developed the microservice from scratch, enabling users to submit bank statements through various channels (document upload, net banking, or mobile number + OTP). Integrated flexible configurations to allow partners to use the service as a SaaS (Software as a Service) solution, with adjustable options based on each partner's needs. Also built a user-friendly UI for streamlined interaction.
- The system was successfully adopted by partners, enabling a flexible, scalable, and reliable way for companies to assess loan applicants' creditworthiness.

URL Shortener

- Converted the URL shortener microservice into a Python package, allowing each system to have its own independent URL shortener functionality without needing to rely on external services.
- The conversion provided a more modular, reusable solution, reducing dependencies and enabling each system to generate and manage its own independent short URLs.

Souk   **Aug 2022 - Mar 2023**
Frontend engineer   Remote

Reporting Application

- Developed a reporting application using Electron.js with a user-friendly interface, enabling automated and configurable reports to be sent directly to WhatsApp contacts.
- This improved communication efficiency for users by automating the delivery of key reports through their preferred communication platform.

Web Application for Sales and Customer Support

- Contributed to the development of an independent platform for sales and customer support teams, aimed at managing daily tasks and tracking client interactions. My focus was on enhancing key features that improved the user workflow.
- Integrated a Kanban board (using react-dnd) to enable users to manage tasks visually, a Table component (TanStack Table) for tracking and filtering data, and a rich text editor (Doist Typist) for creating and organizing notes, comments, and client updates.
- Assisted in implementing features that allowed the management of various content types (text, images, documents, videos) within the app, helping users store and share materials relevant to their communications.
- These enhancements made the web app more flexible and user-friendly, improving task management, content creation, and client interaction tracking.

Chrome Extension for WhatsApp Integration

- Contributed to the development of a Chrome extension that integrated our web application into WhatsApp Web, enhancing the productivity of sales and customer support teams by allowing them to manage tasks without leaving their primary communication platform.
- Leveraged the Chrome Extensions API to render a side panel on WhatsApp Web, which displayed notes, comments, and attachments (text, images, documents, and videos) related to the active chat.
- My contributions focused on ensuring seamless integration, allowing users to track interactions directly within WhatsApp, thus improving their workflow and minimizing the need to switch between applications.

Custom Components Library

- Created a custom components library for our product line, aimed at ensuring consistent UI/UX across different applications.
- This library improved development efficiency by providing reusable, standardized components for use in various projects, streamlining the development process and maintaining design consistency across the product line.

Accenture   **Mar 2021 - Feb 2022**
Associate Software Developer   Remote

Reporting System Modernization

- Contributed to a modernization project for a Java reporting system by migrating it from an on-premise infrastructure to Azure Cloud, resulting in a significant reduction in infrastructure costs and maintenance overhead.
- Resolved critical HTML rendering issues that were affecting report generation in the cloud environment, ensuring a seamless user experience for clients accessing reports online.
- Developed and implemented a proof of concept for leveraging **Azure Key Vault** for secret key management. This solution was successfully integrated into the cloud migration project, and I actively assisted other teams in adopting this approach, enhancing overall security and efficiency in managing sensitive information.

Education

University of Mumbai   **2016 - 2020**
Information Technology   Bachelor of Engineering

Skills

Programming Languages	Web Development	Tools and Technologies	Additional Skills
Python, JavaScript, SQL	HTML, CSS, SCSS, Django, FastAPI, React, Flux	Git, Docker, Linux, Redis, Celery, Postman	Node.js, Electron.js, Chrome Extensions API

Languages

Hindi

English