

SUNNY BHAGWAT

Software Developer

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SUMMARY

Python Developer with experience building **scalable backend systems**, **AI-driven features**, and **data-intensive applications**. Skilled in backend engineering, **Django**, **Postgres/pgvector**, **MS Graph API**, **payment gateway** integrations, **LangChain**, and **RAG pipelines**. Delivered chatbot-based retrieval systems, AI interview workflows, video-processing pipelines, and high-performing backend services. Strong in **debugging**, DevOps collaboration, and optimizing system performance.

EXPERIENCE

Arcitech - Python Developer

05/2024 - Present

- Enhanced an internal AI interview platform by offloading video compression to a dedicated **AWS ECS** container using **FFmpeg**, reducing load on the main application and decreasing video size by **40-60%**, resulting in faster recruiter access and lower S3 storage costs.
- Implemented an **eligibility-based job recommendation** by comparing candidate resumes with job descriptions using **vector similarity**, improving candidate filtering and reducing manual screening time.
- Developed a **scalable data ingestion pipeline** to reliably scrape user emails and files from **Outlook** and **OneDrive** using **MS Graph API**, enabling **parallel data retrieval** for multiple users with improved throughput and reduced sync failures by **~ 25%**.
- Integrated the ingested data into a **production-ready RAG pipeline**, enabling fast and context-aware document/email retrieval for the chatbot.
- Optimized **vector database performance** by implementing efficient indexing, metadata filters, and role-based retrieval strategies, reducing query latency by **40%** for large-scale datasets.
- Addressed and resolved major blockers across multiple projects by **assisting DevOps and development teams** with **data migrations**, **environment setup**, and **initial project/module configurations**.

Feelyprivacy (Renamed to Privaseverse) - Software Developer

06/2022 - 01/2024

- Engineered the **PrivaseMail** platform with a Postfix server, Django, and PostgreSQL, enabling users to **seamlessly generate multiple email aliases** for each website. This led to a **40% reduction in spam**, significantly **enhancing protection against phishing** and data breaches.
- Implemented **effective rate-limiting measures**, reducing spamming incidents by **40%** through automated actions prevention.
- Developed a **high-performance Vue.js-based browser extension** for PrivaseMail, **paired with a Django-based API**, resulting in a **20% decrease in page loading times** and a **25% enhancement in data transfer** for an improved overall user experience.
- Integrated **Elasticsearch** to **fine-tune search functionality** and **optimizing the user experience**, resulting in a **20% enhancement in search response times**.
- Integrated the **PhonePe payment gateway** for a single subscription model, **streamlining user access to all product subscriptions with a single payment**. This **transformation eliminated the manual workflow**, reducing processing time by **40%** and enhancing user satisfaction with a **seamless payment experience**.

PROJECTS

PrivaseMail - tool that creates disposable proxy emails and blocks spam to enhance user privacy.

Python | Postfix | Django | Redis | PostgreSQL | Linode

- Allows users to generate multiple **email aliases** after signup, which act as proxy emails and can be enabled or disabled with a single click. Tracks all emails received through each alias for better visibility and control.
- Enhances **protection against phishing and data breaches**; includes basic **rate limiting** to block spamming attempts.

BraenRepo - RAG-powered platform that syncs Outlook/OneDrive data for chatbot-based semantic search.

Django | PostgreSQL | PgVector | Celery | Redis | Langchain | OpenAI

- Lets users sign in with their Microsoft account and sync their Outlook and OneDrive data with one click. The platform retrieves all emails and documents and sends them to a RAG pipeline.
- Provides a chatbot through which users can ask questions based on their fetched documents and emails, using semantic search or SQL search as needed.
- Search performance is accurate and optimized through indexing, metadata filters, and role-based retrieval strategies.

EDUCATION

G.V. Acharya College of Engineering

Bachelor of Engineering, Information Technology

06/2019 - 07/2022

CGPA: **8.44**

Bharti Vidyapeeth Institute of Technology, Navi Mumbai

Diploma, Information Technology

06/2016 - 05/2019

Percentage: **68.29%**

New English School, Thane

SSC

07/2015 - 05/2016

Percentage: **71.60%**

SKILLS

Languages & Frameworks - Python, Django, Flask, Java, PHP, Laravel, JavaScript, C/C++, Kotlin, HTML, CSS

Database and Cloud Computing - MySQL, PostgreSQL, MongoDB, Redis, AWS, GCP, Linode

Tools and Technologies - Git/GitHub, Postman, Ansible, Docker, Kubernetes