

# Kaustubha Chaturvedi

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## EXPERIENCE

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### Software Engineer

Nov 2023 – Present

*Prishni*

*Bangalore, IN*

Django, FastAPI, PostgreSQL, Azure, Docker, Kafka

- Optimized backend services, improving load times by 300% using caching strategies.
- Reduced database queries by 40% by implementing async task queues with Celery and Kafka.
- Led a full fledged project with team of developers and streamlined deployments using Docker and CI/CD pipelines on Azure.

### App Development Lead

Jan 2023 – Oct 2023

*Undigitally*

*Mumbai, IN*

Flutter, Firebase, FastAPI

- Built and maintained scalable APIs using FastAPI and Firebase, boosting app performance by 30%.
- Reduced deployment errors by 50% by automating testing and integration pipelines.
- Integrated analytics tools for monitoring user engagement and app health.

## PROJECTS

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### Email Campaign Manager

*Django, DRF, Celery, Redis, Docker*

- Automated Email Scheduling: Efficiently schedule and send HTML newsletters using Celery and Redis.
- Bulk Email Delivery: Optimize large-scale email dispatch with automated task processing.
- User and Subscription Management: Securely manage users, email lists, and subscriptions with JWT auth.

### E-Commerce Site

*Django, Python, PostgreSQL, Tailwind, HTMX*

- Developed a comprehensive B2B sales platform focused on inventory management, enabling real-time tracking of stock levels and order statuses.
- Automated core inventory tasks, leading to a 75% reduction in manual labor and minimizing errors in product handling, further boosting customer satisfaction.

### Ecommerce API

*FastAPI, Python, MongoDB, Motor*

- Engineered a high-performance API to facilitate eCommerce transactions, ensuring scalability and reliability for the client's growing user base. Integrated secure payment and order management features.
- Enhanced API performance by optimizing queries and implementing asynchronous processing, improving response times by 20%, while maintaining a server uptime of 99%.

### BLIP

*Django, Python, MariaDB, Tailwind*

- Developed a full-featured blogging content management system (CMS) supporting multiple users and customizable themes, tailored for educational institutions and individual content creators.
- Successfully deployed the platform for three public institutions, allowing them to manage and distribute content efficiently.

## SKILLS

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**Programming Languages:** Python, C/C++, JavaScript, Golang, SQL

**Databases:** MySQL, PostgreSQL, MongoDB, Redis

**DevOps & Tools:** Git, Docker, AWS, Azure, Kubernetes, Google Cloud Platform, Terraform, CI/CD, Kafka

**Frameworks & Libraries:** Django, FastAPI, Flask, TensorFlow, Keras, PyTorch, Pandas, Express.js, NextJS

## EDUCATION

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### B.Tech in Computer Science

*CGPA: 8.0*

Rajiv Gandhi Proudyogiki Vishwavidyalaya

*Bhopal, IN*