

# Kaustubha Chaturvedi

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## EXPERIENCE

### Software Development Engineer II

Jan 2025 – Present

*WebCue*

*Mohali, IN*

Golang, FastAPI, NodeJS, NextJS, PostgreSQL, MongoDB

- Architected scalable ad tracking and analytics systems processing 10M+ events/day.
- Led a team of 3 engineers and delivered features with high code quality.
- Built AI-based image/video system with in-house models, cutting manual ad work by 80%.

#### *My Works*

- **AdTracker/Launcher and Analytics Platform:** Stable architecture and high-throughput processing
- **AI Creative Generation System:** Fine-tuned existing models for brand-specific content generation

### Backend Developer

Nov 2023 – Dec 2024

*Prishi*

*Remote*

Django, FastAPI, PostgreSQL, Azure, Docker

- Refactored e-commerce backend; improved page load by 3x and reduced DB usage by 40%.
- Built internal platforms with 100% uptime post-launch.

#### *My Works*

- **Backend Optimization:** Async jobs (50K+/day) using Redis + Celery.
- **Analytics Dashboard:** FastAPI + React RBAC dashboard used by 100+ users.

### App Development Lead

Jan 2023 – Oct 2023

*Undigitally*

*Remote*

Flutter, Firebase, FastAPI, Azure SQL

- Reduced backend latency by 3.5x for app with 5K+ users.

#### *My Works*

- **Mobile App:** Offline-first real-time chat backend with documented APIs.

## PROJECTS

### Email Campaign Manager

*Django, Celery, Redis, Docker*

- Bulk HTML newsletter system with Celery + Redis for task queuing.
- JWT-based auth and admin dashboard for campaign tracking.

### Talk To Data

*FastAPI, Langchain, Pandas, Groq, LLaMA 3.1*

- Query CSV/SQL via natural language with fine-tuned LLaMA 3.1 + Groq.
- FastAPI-based backend with structured JSON follow-ups.

## SKILLS

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

**Databases:** PostgreSQL, MongoDB, Redis/Valkey

**DevOps/Tools:** Docker, Kubernetes, Git, AWS, Azure, CI/CD, Kafka

**Frameworks:** FastAPI, Django, Gin, Express.js, NextJS, TensorFlow, PyTorch, LangChain

## EDUCATION

**B.Tech in Computer Science**

Rajiv Gandhi Proudyogiki Vishwavidyalaya

*CGPA: 8.0*

*Bhopal, IN*