

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

Prishni

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.

Music-Based Encryption with Generative RNN

FastAPI, Langchain, Pandas, Groq, LLaMA 3.1

- Experimental encryption using RNN-generated music patterns.
- Mapped secure messages to musical sequences with deep learning.

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