

Ghanshyam Jangir

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WORK EXPERIENCE

Software Engineer - Foundit (Formerly Monster.com)

Mar 2023 - June 2025

Awards: High Potential Award, High Ownership Award

- **PrepAI** — Architected and deployed backend APIs with FastAPI for a multi-LLM Q&A platform, integrating Deepgram for audio to text, secure streaming via WebSockets, and optimizing performance with Redis, PostgreSQL, Pinecone vector DB, LangSmith, APM, and Grafana.
- **Admin Panel** - Redesigned and migrated the legacy admin panel from Perl to Django, implementing Outlook-based authentication, role-based access control, and integrated Graylog for logging.
- Developed backend APIs for an e-commerce module with KYC, payment handling, and RabbitMQ-based async communication to improve order processing time.
- Migrated Monster.com legacy data and services into the Foundit 2.0 architecture, ensuring backward compatibility and operational continuity. Also developed new services for Foundit 2.0.
- Upgraded user authentication by replacing insecure MD5 password storage with modern hashing (bcrypt) and implemented secure JWT-based authentication and authorization APIs.
- Built a bug detection system to identify and alert on database mismatches and system-level issues, improving platform stability.
- Build different analytical reports for the users along with Celery-based scheduled tasks with Redis to auto-generate and email different reports to users.

Senior Software Engineer - Kontiki Innovation Labs

June 2022 - Feb 2023

Responsibility: Manage end-to-end tech product

- Built community-building features such as Circles, Tournaments, and Public Challenges with social interactions (post, like, comment), increasing user engagement.
- Designed and deployed a high-performance microservices system on AWS capable of handling 100K+ requests/sec, leveraging AWS Lambda + ELB for backend logic, S3 + CloudFront for static assets, and API Gateway (WebSockets) with DynamoDB for real-time interactions. Implemented SNS/SQS for notifications, Amazon RDS for relational data, SES for email delivery, CloudWatch for monitoring/alerts, and VPC for secure networking.
- Led a team of 3 interns to redesign the platform supporting a mobile-responsive layout, and implemented PWA architecture with TWA for mobile compatibility.
- Integrated subscription and order-based payment systems using Razorpay, with automated payment reminders. Optimized performance by implementing caching and model pre-loading.
- Implemented a CI/CD pipeline in Jenkins to automate build, test, and deployment processes.

Software Engineer - Kontiki Innovation Labs

Jan 2021 - June 2022

Responsibility: Manage end-to-end tech product

- Collaborated with the non-tech founder to build [JustMove.fun](#), an AR-based home fitness platform, which **won 5 startup programs**, including Meta XR Accelerator 2023.
- Built frontend using HTML/CSS/JavaScript and backend using Django/Python, PostgreSQL with integrating pose estimation using MediaPipe and MoveNet. Deployed on AWS EC2.
- Developed 50+ interactive AR-based exercises and games using JavaScript. Load them using RESTful APIs and AJAX.
- Implemented WebSocket-based multiplayer gaming with real-time audio (via Agora) and live user interactions (online status, live comments).
- Designed and implemented gamified features such as virtual boxing (with bot and multiplayer modes) and multiplayer game scheduling integrated with email and calendar reminders.

Senior Analyst - Capgemini India

Jul 2019 - Feb 2020

- Implemented Python-based process automation to optimize production pipelines.
- Developed proof of concept for a web platform to view 3D files without requiring any software.

PROJECT EXPERIENCES

- [HISHAB](#): An app to track business transactions with zero maintenance costs with complete transaction privacy. *Tech stack* - Google Sheets (database), Google Apps Script and Android Studio.
- [Redastic.com](#): Launched a platform that allows renting products from locals. *Tech stack* - Django (Python), PostgreSQL, HTML/CSS, JavaScript. Deployed on a Linux-based unmanaged VPS.
- [TreePollution.org](#): **AI-powered blogs** centered on environmental and pollution-related topics, entirely brainstormed, written, reviewed by AI. *Tech stack* - Next.js, Vercel, and AI Agents.

EDUCATION

National Institute Of Technology Kurukshetra 2015-2019

Mechanical Engineering
8.1 CGPA

SKILLS

- ★ Python
- ★ Django
- ★ FastAPI
- ★ JavaScript
- ★ HTML/CSS
- ★ jQuery/Bootstrap
- ★ MySQL
- ★ MongoDB
- ★ PostgreSQL
- ★ AWS
- ★ Redis
- ★ RabbitMQ
- ★ Graylog
- ★ Grafana
- ★ Jenkins
- ★ APM
- ★ Linux
- ★ RESTful APIs
- ★ RAG
- ★ LLM
- ★ WebSocket
- ★ AI-Agents
- ★ System Design
- ★ Git
- ★ DSA