Gaurav Rajput

+91 8830099272 | rajput.gaurav8341@gmail.com | gauravrajput.vercel.app | github.com/gaurav8341 | linkedin.com/in/gaurav8341

Result-driven graduate with 4+ years of experience across different technologies and frameworks looking for opportunities to work in the back-end development to enhance any distributed product and in the process learn new things and understand computers better.

EXPERIENCE

Paralaxiom, *Software Engineer* | Bangalore, India   Aug 2022 - Present
- Led backend development efforts and mentored junior developers through regular code reviews, technical guidance, and pair programming.
- Owned architectural decisions for key components, including system design, RESTful API design, FastAPI design, Celery-based task queues, and PostgreSQL schema optimization and other components
- Built scalable backend services using **Django REST Framework** to support ML-driven CCTV analytics and real-time video insights.
- Integrated and optimized **GStreamer**, **DeepStream**, and **TensorRT** pipelines for serving vision-based models efficiently.
- Extensively used and managed AWS services like **Lambda**, **Linux EC2** instances as well as administared **RDS PostgreSQL** databases for performance and reliability.
- Developed a integrated dashboard for distributed installations using **Django Rest Framework** and **AWS Lambda**

Accenture LLC, *Application Development Associate* | Remote (India)   Jan 2021 - July 2022
- Worked on CRM configuration, administration, and development using **Java**, **React**, and **SQL**.
- Automated user provisioning and historic data update workflows using **Batch Apex** and **Scheduled Apex**, reducing manual effort.
- Refactored the product approval logic using the **Factory Pattern**, improving maintainability and reducing decision-making complexity.
- Worked closely with cross-functional teams to gather requirements and deliver solutions using **Agile methodologies (Scrum)** with tools like **Jira** and **Confluence**.

SKILLS

Languages	**Python**, Java, JavaScript, Go, Rust, C/C++, Apex, Visualforce, HTML, CSS
Web & Frameworks	**Django REST Framework**, FastAPI, Flask, React, Celery, OpenCV, DLIB
Databases & Messaging	**PostgreSQL**, MySQL, SQL, Apache Kafka, RabbitMQ, Redis Streams
DevOps & Infra	**Docker**, GitLab CI/CD, Bash Scripting, Linux
Cloud Platforms	**AWS** (EC2, Lambda, RDS, Amplify), Azure, GCP, Vercel, Netlify, Terraform IaC
Tools & Others	Git, Jira, Confluence, VS Code, Postman, Cerser, Claude Code, Co Pilot

PROJECTS

Real Time Camera Analytics and Reporting   Paralaxiom
- Deployed ML Solutions like Object Detection, Object Tracking and classification on live camera feed using **Gstreamer** and **DeepStream Plugins**
- Created an end-to-end solution for real-time camera feed analysis, increasing processing speed by 30%.
- Implemented advanced data filtering and manipulation using **Django ORM**, enhancing data accuracy.
- Ensured seamless frontend integration with **ReactJS**, improving user interaction and data presentation.

Logistics Management System | *Paralaxiom*   Paralaxiom
- Lead entire development cycle of the project from design to deployment.
- Calculating and updating the inventory and raising order for the required part through email from the supplier.
- Used the **Celery Task Queue** to update the inventory and raising the orders after specified time interval.
- Created Several **REST APIs** to incorporate the new functionality into the existing application using **Django**
- Recognized for technical innovation by a client organization for building a vision-based logistics system during an internal competition.

Traffic Management System | *Paralaxiom*   Paralaxiom
- Developed a camera based traffic management system based
- Solution ensured safe and sound movement of vehicles around the factory floor speeding up the movement of the vehicles and operational efficiency in result.
- The stop time for the vehicles decreased from 5 seconds to 1 seconds ensuring faster logistics movement.

Better-Worse Framework for approvals   Accenture
- Developed the solution for UK based telecom company operating in B2B segment.
- Designed framework for quick approval for the product baskets cloned from already approved product baskets.
- Resulted in faster approval for the end user in case of minimal changes in product baskets.
- Accelerated the approval time of product baskets by 34%.