

# CHIRAG THAKOR - SOFTWARE ENGINEER

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Results-driven Python & Django Backend Developer with 5+ years of hands-on experience in building scalable applications, distributed data processing, and AI/ML model integration. Proven expertise in Django, PySpark, ElasticSearch, LLMs, and cloud-based deployment. Skilled in cross-functional collaboration, client communication, technical leadership, and delivery in both WFO and WFH environments. Strong ownership mindset with a focus on performance, automation, and problem-solving.

## WORK EXPERIENCE

### Senior Python Developer, Tectum Technologies Pvt. Ltd - JAN/2025-Present

- Developed scalable REST APIs using Django and integrated them with React.js frontend consumed by cross-functional teams.
- Designed and deployed multi-container architecture using Docker, enabling seamless orchestration of Django, PySpark, PostgreSQL, and Elasticsearch services.
- Built automated PySpark pipelines to ingest, extract and transform data from PDF, DOCX and structured files into relational databases.
- Implemented data processing workflows where uploaded files trigger Spark jobs and push processed results into PostgreSQL and Elasticsearch for search and analytics.
- Integrated Elastic Stack (Elasticsearch + Kibana) for high-performance querying, indexing, and visualization of processed data.
- Managed multi-server infrastructure, including dedicated servers for Django + React application, PySpark compute, PostgreSQL database, and observability stack.
- Containerized and served an LLM model using Ollama, enabling internal GenAI capabilities and secure querying.
- Collaborated in an Agile environment with cross-functional teams for requirement gathering, sprint planning, and production deployments.
- Experienced in troubleshooting, container access, log monitoring, and performance optimization across distributed systems.
- Leading backend development and engineering discussions to build scalable enterprise applications using Django & REST APIs.
- Collaborated directly with clients for requirement gathering, solution design, and technical implementation.
- Mentored junior developers, conducted code reviews, and ensured delivery aligned with engineering best practices.
- Participated in Agile/Scrum, CI/CD pipelines, sprint planning, and stakeholder progress reporting.

### Python Developer, Fulfillment Center Service United States Private Limited - MAR/2022-JAN/2025

- Developed and upgraded backend services using Python; wrote clean, reusable, and performance-optimized code.
- Automated manual business processes through Python scripting, reducing operational workload.
- Integrated multiple third-party APIs into legacy systems to streamline business operations.
- Debugged and provided backend support for live applications, improving system reliability.
- Created detailed technical documentation, covering architecture, code standards, and deployment processes.
- Built Flask-based web applications and maintained existing projects.
- Stayed updated on best practices in Python, Django, and modern web technologies.

### Associate Engineer, Sciffer Analytics Private Limited - SEP/2020-MAR/2022

- Worked on building an optimal data collection pipeline for an object detection model, used web scraping for data collection.
- Worked with a python programming language and built automation script for data preprocessing and cleaning using different libraries.
- Developed Key Performance Indicators (KPI) and presented it to the management and led to the execution plan.
- Conducted root cause analysis activities when necessary in order to determine underlying issues causing application failures or malfunctions.

## PROJECT EXPERIENCE

### E-commerce Listing Automation Tool -

- Description: Developed a tool to scrape product data from various websites and automate listing on Amazon, eBay, and Walmart marketplaces.
- Technologies: [List the technologies used, e.g., Python (BeautifulSoup, Django), Html/CSS, APIs, etc.]
- Key Features:
  - Efficient web scraping of product details, including images, descriptions, and pricing.
  - Automated data formatting to meet marketplace requirements.
  - Seamless integration with Amazon, eBay, and Walmart APIs for product listing.
  - User-friendly interface for managing and monitoring listings.
- Impact: Streamlined product listing workflow, reducing manual effort and increasing listing accuracy.

### TheLedyLife - Ecommerce Website -

- Developed and launched a fully responsive eCommerce website with a focus on user-friendly navigation and a seamless shopping experience.
- Implemented key features such as secure payment gateways, product search and filtering, shopping cart functionality, and a user account system.
- Integrated inventory management and real-time stock updates to streamline operations and provide accurate product availability information.
- Enhanced customer engagement with personalized product recommendations, product reviews and ratings, and a wishlist feature.

## EDUCATION

- M.Sc in Information Technology, Graduation Year (2020), Jain-Deemed-To-Be-University, Bangalore

## SKILLS

- Programming Languages: Python, SQL, JavaScript, HTML, CSS, PHP
- Frameworks: Django, Flask, PySpark
- Libraries: NumPy, Pandas, Selenium, BeautifulSoup, Requests
- Database Management: PostgreSQL, MySQL, ElasticSearch
- Big Data Tools: PySpark, Hadoop Ecosystem
- Web Development: HTML, CSS, JavaScript, RESTful APIs, AJAX
- ML/AI Tools: OpenCV, LLMs, Object Detection
- Others: Docker, REST APIs, Git, CI/CD, AWS (EC2, S3), Agile/Scrum

## SOFT SKILLS

- Strong Client Communication
- Team Leadership & Mentoring
- Problem-solving & Debugging
- Time Management & Task Ownership
- Agile Collaboration