Ishaan

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Summary

Lead Engineer with 7 years of experience designing and developing high-performance backend systems in Python. Proven track record in optimizing core systems resulting in improved performance, reliability, and efficiency. Skilled in AWS services, SQL and NoSQL databases, CI/CD pipelines, and infrastructure provisioning. Passionate about building and working on technology to give the best solutions for the problems. Excited to contribute my expertise to all the necessary requirements and deliver in deadlines.

SKILLS

- Python, Go, Java
- Django, Flask, Streamlit UI/UX, PyQT5
- Proficient in HTML5, JavaScript, CSS
- VS Code, Visual Studio, PyCharm
- AWS Cloud EC2, SQS, Lambda, s3, RDS, DynamoDB, ETC
- SQL, MongoDb, PostgreSQL, NoSQL, JSON
- Linux, Unix, GitBASH, macOS
- Microsoft Suite: Excel, Word, PowerPoint, Sharepoint
- Agile development methodologies
- Scrum, Kanban
- Jira Software
- Git/GitHub
- System Development Life Cycle SDLC
- ML Models
- Excellent Professional Communications Listening, Verbal and Written skill set.
- Expert Negotiating Skills
- Exceptional conceptual and analytical problem-solving skills
- Project documentation
- Design and development testing and debugging phases
- Data warehousing and analytics
- Experience with Multi-Threaded objects and concurrency.

WORK EXPERIENCE

Tiger Analytics, Technical Lead   March 2022 - PRESENT

- Crafted the digital backbone for pricing wizards at big companies like McDonald's and Costa Coffee. Engineered optimal solutions to boost profits and whip up crystal-clear reports.
- Used tools like Pandas and NumPy to turn raw data into actionable insights.
- Weaved pricing engines into existing frameworks with ease, ensuring smooth communication and data flow. Built bridges with RESTful APIs and data pipelines to keep everything in sync.
- Led the charge in exploring new tech frontiers to supercharge pricing strategies.
- proof-of-concept projects, including scraping data from giant E-commerce realms, to keep our edge sharp.
- Worked on backend restful API using Flask Framework and Django Rest Framework
- Worked on utilities to scrape the data from public domains using beautiful soup and Scrapy.
- Worked on a mobile app using Golang, large data handling using mongo.
- R&D activity: To create POC to scrape giant E-commerce platforms.
- Implemented data analysis and visualization tools, leveraging libraries like Pandas and Matplotlib, to derive insights from scraped data and aid decision-making processes.

Drish Infotech, Python Developer   **Nov 2020–FEB 2022**

- Developing applications using python's Django and Django REST framework and deciding and designing the database for web or mobile applications
- Worked on ML and Web Scraping tasks and projects.
- Implemented Automation framework using selenium
- Working as per AGILE methodology
- R&D activities: Graylog implementation, Data visualization, encrypting and decrypting sensitive data in Django, PDF Generation etc
- Improving and building reusable components used within the team for various projects

NetSolutions, Python Developer   **Aug 2019–Nov 2020**

- Utilized Python, Django and Java etc. to design server applications and client interfaces.
- Developed, tested and debugged software tools utilized by clients and internal customers.
- Working as per AGILE methodology on all major projects
- Working as per AGILE methodology
- Worked on Different Domains Health Care , Finance, E commerce, fleet Management, etc.)

SmartData , Associate Engineer 2   **Jan 2019–Aug 2019**

- Designed server applications and client interfaces using Python, Django, Java, and other relevant technologies to meet project requirements.
- Developed, tested, and debugged software tools used by both clients and internal stakeholders, ensuring high-quality deliverables and optimal performance.
- Implemented Agile methodology across all major projects, facilitating iterative development, continuous improvement, and efficient collaboration within cross-functional teams.
- Worked across diverse domains including Health Care, Finance, E-commerce, Fleet Management, and more, adapting development strategies and solutions to meet specific industry needs and standards.
- Collaborated effectively with team members and stakeholders, adapting to dynamic project requirements and leveraging domain expertise to deliver innovative solutions on time and within budget.

Indus valley partners , Associate Engineer   **Oct 2017–Jan 2019**

- Performed automation on web and mobile applications, executing test cases and reporting defects.
- Developed an automation framework for the team to achieve all the requirements as required.
- Conducted functional, regression, and usability testing, identifying and documenting software defects.
- Collaborated with development and product teams to resolve issues and ensure quality deliverables.
- Worked closely with business analysts and stakeholders to gather requirements and define testing objectives.
- Participated in user acceptance testing (UAT) and provided support for UAT activities.
- Documented test results, created test reports, and communicated testing progress to project stakeholders.

PROJECTS

Healthcare Data Analytics Platform

- Collects diverse healthcare data from electronic health records and medical devices.
- Utilizes Django framework for robust backend development and PostgreSQL for secure data storage.
- Employs Pandas for in-depth data analysis and React for intuitive frontend interfaces.
- Provides predictive analytics for disease diagnosis, personalized treatment recommendations, and population health management.
- Handled a large number of data and records ,managing the less response time for clients.
- Managed a big team and completed all the tasks under dedicated deadlines.

Pricing Recommendation Engine

- Developed a Pricing Recommendation Engine for large firms to optimize pricing strategies and maximize profit margins.
- Utilizes advanced analytics and machine learning algorithms to provide tailored recommendations.
- Implements advanced data modelling techniques to understand market dynamics and customer behaviour.
- Builds robust ETL processes for efficient data extraction, transformation, and loading from multiple sources.
- Conducts in-depth analysis of historical pricing data and market trends.
- Generates data-driven pricing recommendations based on business objectives and profitability targets.
- Creates customizable dashboards and reports for visualizing pricing performance metrics.
- Seamlessly integrates with existing systems and databases for enhanced decision-making.

Fraud Detection System for Financial Institutions

- Developed the backend of Fraud Detection System tailored for financial institutions to combat fraudulent activities and protect against financial losses. The system employs advanced data analysis techniques and machine learning algorithms to detect suspicious transactions in real-time and prevent fraudulent activities.
- Monitors financial transactions in real-time, analysing transaction patterns and identifying potentially fraudulent activities.
- Utilizes Django framework to develop a web-based dashboard for fraud analysts to review flagged transactions, investigate suspicious activities, and take appropriate actions.
- Implements RESTful APIs to integrate with banking systems, payment gateways, and fraud detection databases, facilitating seamless data exchange and interoperability.
- Leverages AWS services such as Amazon S3 for data storage, Amazon Redshift for data warehousing, and AWS Lambda for serverless computing.
- Implements Apache Airflow for orchestrating ETL workflows, ensuring efficient data extraction, transformation, and loading processes.
- Utilizes supervised, and unsupervised machine learning models to detect anomalies, identify fraudulent patterns, and classify transactions as legitimate or fraudulent.
- Implements an alerting system to notify fraud analysts of suspicious activities in real-time via email, SMS, or push notifications.

Fleet Management System

- Created a Fleet Management System catering to the needs of large-scale operations, optimizing vehicle usage and enhancing overall efficiency. This system offers a comprehensive suite of tools and functionalities to streamline fleet operations, from vehicle tracking to maintenance scheduling.
- Real-time Vehicle Tracking: Monitor vehicle location and status for enhanced visibility and control over fleet movements.
- Driver Management: Manage driver profiles and assignments to ensure optimal workforce utilization.
- Maintenance Scheduling: Automate maintenance tasks based on usage data for optimal fleet performance.
- Track spare parts and supplies to streamline maintenance operations and minimize downtime.
- Optimize routes to minimize fuel consumption and travel time for cost-effective operations.
- Record and manage incidents to ensure prompt resolution and compliance with regulations.
- Generate insightful reports and analytics for informed decision-making and performance tracking.
- Implement measures to protect data integrity and ensure compliance with regulatory standards.

EDUCATION

Chitkara University - BE

7.6 CGPA , 2014-2018

Chandigarh