

Priyanka Maletia

Software Development Engineer III

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Profile

Results-driven software developer with 6+ years of experience in architecting and delivering scalable, high-impact solutions. Holds a Master's in Computer Applications. Skilled in software design, problem-solving, and cross-team collaboration, with expertise in multiple programming languages and project management. Quick learner, adaptable, and focused on driving business outcomes through strong technical leadership and seamless system integration.

Professional Experience

SDE III, Aneusher Busch InBev

Dec 2023 – present
Bengaluru, India

- **Managed structured repositories** for Data Engineering, Data Science, and ML teams, streamlining version control, code tracking, automated documentation (via GitHub Actions, GitHub Pages), and solution packaging. Established an ML test framework ensuring repository validation, leading to a 30% increase in operational efficiency and improved cross-team collaboration.
- **Developed a real-time SMS/Email notification system** using SendGrid (Twilio), Celery, REST APIs, RabbitMQ, and MySQL, eliminating manual updates and enhancing user experience. Built APIs for CDN integration, product image updates, notifications, and text-image generation, resulting in a 25% boost in user engagement and satisfaction.
- **Enhanced planogram flexibility** with dynamic JSON inputs and GenAI natural language translation. Engineered automation algorithms for space optimization, stacking, sequencing, and created intelligent shelf-placement algorithms based on user input, leading to a 20% improvement in shelf space utilization and inventory turnover.
- **Integrated advanced ML models** into assortment and planogramming, optimizing layouts and decision-making. Built scalable store clustering APIs and ML algorithms as microservices (FastAPI, Celery, RabbitMQ, Redis, Azure, Docker, Kubernetes), ensuring backward compatibility and seamless UI integration, which contributed to a 15% increase in sales due to better product placements.

Senior Analyst, Tiger Analytics

Dec 2021 – Dec 2022
Bengaluru, India

- **Enhanced internal data analytics library**, boosting analyst efficiency, streamlining data exploration, and accelerating model development—reducing analysis time by **25%** and enabling faster business decisions.
- **Completed internal tool training** (Git, GitHub, Miniconda, WSL, VS Code, NumPy, Pandas, MLflow, Docker), improving collaboration and increasing project efficiency by **20%**.

- **Integrated model drift detection** into library, enabling post-deployment monitoring and reducing performance degradation by **30%**, ensuring sustained model accuracy.
- **Upgraded in-house library & templates** to latest versions, refactored code, maintained backward compatibility, keeping test cases functional—preventing deployment issues and reducing downtime by **15%**.
- **Implemented comprehensive logging**, enhancing debugging and issue tracking, decreasing debugging time by **35%** and improving development efficiency.

Developer, TCS

Nov 2018 – Dec 2021
Bengaluru, India

- Optimized client testing by integrating **Squish, IBM DOORS NG, IBM RQM, Bitbucket, Python adapters**, and centralizing via **Jenkins**. Improved automation efficiency, cutting manual effort by **30%** and accelerating delivery timelines.
- Built scalable web automation using **Behave, Selenium, Pandas, xlrd**, BDD, and keyword-driven approaches. Designed reporting systems, improving test coverage, reducing bug leakage by **25%**, and streamlining QA cycles.
- Developed a **Hospital Portal (Flask, SQLite, Bootstrap, Python)** with secure authentication, CRUD, and patient management. Enabled effective testing for the automation framework and improved data accuracy.
- Deployed ML models on **GCP Kubernetes, Docker, Node.js**, and optimized **Flask APIs**. Achieved seamless scalability, boosting API response time by **50%** and enhancing system reliability.
- Engineered NLP Sentiment Analysis using **regex, TF-IDF, pandas**; visualized via **Dash, Plotly, Matplotlib**. Migrated computer vision project to **Python 3.6**, improving Docker compatibility, reducing deployment issues by **20%**, and enhancing system stability.

Skills

Languages (Python • Java) | **Deployment** (Docker • Kubernetes) | **Documentation** (Sphinx • Github Pages) | **Soft Skills** (Problem-Solving • Leadership Skills) | **Prompt Engineering** | **CI/CD** (Jenkins • Github Actions) | **Package Management** (Miniconda • Poetry) | **Version Control** (Git • Github • Gitlab • Atlassian) | **UI (Basic)** | **Cloud** (Azure • GCP) | **Database** (Design • MySQL • PostgreSQL) | **API/Web Development** (Flask • Django • FastAPI) | **Testing** (Pytest • unittest • Mocker) | **Data Analysis** (Pandas • NumPy • Scikit-learn • Polars • Dask)

Certificates

- Docker for Absolute Beginners - Mumshad Mannambeth (Udemy Course)
- Git And Github Master Course
- CutShort Certified Flask - Advanced