Shivam Malviya
Senior Software Engineer 1
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Overview:
Software Engineer and automation expert with strong expertise in Python, Django, Azure, and database systems. Specialized in developing AI/ML-driven solutions and automating processes using cloud technologies to optimize performance and scalability.

Project & Client:

HCL Soft, Noida, India. (Aug 2022 - Till Now)
AION Project
- Developed a low-code/no-code ML pipeline tool backend using Python, Django, and SQLite, streamlining ML lifecycle management.
- Optimized database design for efficient handling of dataset and model metadata.
- Deployed the platform on Azure Kubernetes (K8s) with a load balancer, enhancing prediction accuracy and real-time performance monitoring, doubling operational efficiency during testing.
- Engineered a data ingestion pipeline with a 50% performance boost and implemented Univariate Forecasting and Data Augmentation for time series analytics.
- Designed and executed the Bring Your Own Model (BYOM) feature, integrating custom ML models seamlessly into the pipeline, adhering to Agile methodologies.
- Developed a Gen AI-based document summarization feature for the GEM Portal, enabling efficient extraction of critical content.
- Consulted on SX integration with BigFix SX, impacting operations in 8 countries while ensuring compliance with international standards.

Connector Framework
- Developed a secure data migration product for Jira, Confluence, Zendesk, and ServiceNow using NiFi, Java, and Docker.
- Implemented a role-based login system, enhancing security and user-specific access control.
- Increased product security by 40% and improved integration and deployment efficiency by 30%.
- Optimized NiFi flow scalability, reducing deployment times by 25% and ensuring high availability for data pipelines.

Cognizant, Pune India (Jan 2022 – July 2022)
Full-Stack Web Development
- Proficient in front-end technologies including HTML, CSS, JavaScript, and ReactJS.
- Skilled in server-side programming with Java and experienced in database management and caching solutions.
- Contributed to API integration, testing, and debugging in collaborative projects.
- Resolved bugs and provided technical support for critical systems in a support project**.**

EDUCATION:
Bachelor of Engineering in Computer Science. **2018-2022**
Sagar Institute of Research and Technology Excellence, Bhopal

Technical Skill Set:
Cloud Platforms: Azure
DevOps Tools: Docker, Kubernetes, JMeter
Infrastructure Automation: AKS, Docker Swarm
Languages: Python, Java, Shell scripting
Frameworks & Libraries: Django, FastAPI, NiFi
Database & Caching: SQLite, PostgreSQL
ITSM Tools: ServiceNow, Jira, Zendesk, Confluence (basic understanding)
Operating Systems: Windows, Ubuntu, Debian
Others: GitLab, Machine Learning Pipelines, Generative AI Models

Professional Experience:
HCL Soft, Noida India
Senior Software Engineer 1
August 2022 – Present
Cognizant Technologies Solution, Pune India
Programmer Analyst Trainee (Internship)
Jan 2022 – July 2022

Certifications:
- IBM Data Science Professional Certificate
- The Complete SQL Bootcamp 2022
- Python for Data Science & Machine Learning Bootcamp
- Python Solid Principles