

Aditya Kushwaha

Software Developer

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Profile Summary

Seasoned IT professional with 8+ years of diverse experience in software development and analytics. Skilled at adding digital capabilities into legacy software products and make it stand the competition. Optimizing processes, executing e2e SDLC for products, productionizing prototypes and crafting automations are my strong holds. Legacy or Digital, I make it happen.

Technical Competencies

- **Scripting:** Python, Unix Shell scripting
- **Data Analysis:** MS-Excel, SQL, pandas, seaborn
- **Machine Learning:** scikit-learn, Keras
- **MLOps:** Mlflow, Weights&Biases, dvc, Docker, AWS Sagemaker, Feature Store, ECS
- **Generative AI:** langchain, OpenAI apis, RAG, huggingface, LLMs, prompt engineering
- **Cloud Computing:** AWS Serverless,
- **Database Management:** Oracle SQL, Postgress
- **DevOps:** Perforce, Git, Jenkins, Nexus, Github actions, AWS codepipeline, Cloudformation, ECR, etc
- **Others:** Java, flask, SOAP/REST webservices, Streamlit
- **Product Management:** JIRA, Figma (UX), Agile-scrum, prototype, Product lifecycle Management

Industry Experience

- Telecom: 5 years of extensive experience in telecom domain, specialize in customer management and billing products, modernizing legacy products and systems.
- US Pharma (Walgreens): 3+ years of rich experience in US pharmacy retail business handling mail pharmacy applications.

Trainings and Certifications

- Machine Learning DevOps (MLOps) Nanodegree – Udacity
Certification link: <https://www.udacity.com/certificate/e/2d6a50e8-48f6-11ee-ad86-dfb9aa4284b6>
- Artificial Intelligence Engineer – Master’s Program by SimpliLearn
Certification link: <https://success.simplilearn.com/940792ac-a96d-45ed-81ae-0c2cd26d8c95#gs.6vgw85>
- Product Manager Nanodegree – Udacity
Certification link: <https://graduation.udacity.com/confirm/e/d6bb2298-0785-11ed-95b9-2f6c76e419b2>
- Advanced Internet of Things training and certification from Cognixia India

Career Highlights

- Proven track record of success in leading complex automation and modernization initiatives, resulting in significant efficiency improvements and cost savings.
- Experience in requirement analysis, solution design and alignment with client and stakeholders.
- Adept in optimizing performance and resource utilization of legacy products.
- Experienced managing Incident, Problem, Defect and CRQs using BMC Remedy, HP-ALM.
- Production deployment, roll out planning and post production stabilization.

- Adept in Agile methodologies, with a proven ability to manage multiple projects simultaneously and deliver high-quality solutions on time.
- Deploying prototypes to production and building surrounding systems for monitoring and support.
- Experienced with ETL, data cleaning & transformation, EDA and visualization using python, pandas, PySpark, seaborn.
- Experience in implementing ML techniques for business outcomes in telecom domain.
- Productionizing ML models and building MLOps pipelines on-premise and on AWS cloud.
- Proficient with both batch and online deployment of ML models.
- Committed to continuous learning and professional development, completing advanced training courses in AI/ML, product management, and MLOps to stay abreast of emerging technologies and methodologies.
- Excel in both team-oriented and individual contributor roles.

AMDOCS | September, 2019 – Current

Products: Amdocs Customer Manager (CM), Amdocs Subscriber Resource Manager (ASRM), Amdocs Document Designer (AMDD).

Project Specs: Solution design, Modernization, Defects and Enhancements, SRE, Upgrade and Migration

Roles and Responsibilities:

- Handling automation initiatives for rapid cadence and modernization project.
- Built self-healing flows for repetitive prod and non-prod issues, reducing TAT by 30%
- Built system performance dump (JVM, AWR) analysis tool leveraging openAI, langchain
- Leading Gen AI adoption in account. Mentoring team in copilot adoption for dev activities, prompt engineering and automation use cases.
- Handling SRE activities for account using Amdocs Ginger tool and custom utilities built with python/shell achieved 70% reduction in data creation, UT and sanity efforts during DCUT.
- Accomplished implementation of Machine Learning pipelines for different accounts (on-premise).
- Migrated ML model and built end to end pipeline on AWS cloud with Sagemaker, feature store.
- Built data pipelines and end to end training pipelines for existing models and code bases, implemented CI with custom scripts, Mlflow.
- Designed and developed 10+ customization solutions in AMDD, 8+ CRs live in production with zero defect across DCUT and prod
- Application focal for critical and high-severity prod & non-prod defects. Reduced downtime by 70%.
- Engaged with team in designing and developing solutions which impacts CM & ASRM module
- Contributed in upgrade from Amdocs Billing 7.5 to ABP 10.2, Supported activities spanning from data load to code fixes, solution improvements, production fixes, performance optimization, go-live and stabilization.
- Participating in project planning activities for upgrade, Deployment plans, GO-No GO review meetings.
- Led solution design and carried out activities starting from High Level Solution to Production deployment.
- Modernized bill generation (AMDD) to generate JSON data for bills and integrated with cloud for consumption of data to serve messaging and notification purposes.
- Migrated 20+ on-premise jobs to AWS cloud
- Built reporting utility batch for bill stats and analytics.
- Worked across phases including HLS, DD, IA and developed most of the solutions independently.
- Created more than 20 SRE items for self-healing of recurring production issues (Amdocs –atomiq).

COGNIZANT | June, 2015 – September, 2019

Project Name: Cloud Integration AWS – OpenBank | April, 2019 – Sep, 2019

Project Specs: Integrating Temenos Wealth system to receive instrument data from third party APIs

Roles and Responsibilities:

- Orchestrated AWS solution to connect wealth systems with the third-party services
- Worked with multiple AWS services including cloud-watch, Lambda, Secret Manager, AWS S3 bucket, Remote invocation etc. to achieve the task.

- Used AWS Lambda to fetch and ingest instrument data received from third party providers (like Reuters, etc.) and reduced data processing SLA by 75%.

Tech Stack: Python 3, boto3, AWS Lambda, serverless

Project Name: Industrial IoT (Cognizant R&D) | Jan, 2019 – March, 2019

Roles and Responsibilities:

- Prepared scripts for edge controllers to fetch consumption data from various devices, atmospheric data from sensors and relay to AWS using AWS IoT core.
- Performed data cleaning and transformation and integrate it with Wattsense gateway
- Integrated predictive outcomes from Wattsense, achieved 40% early detection of failovers.

Project Name: Walgreens Mail Pharmacy | June 2015 – Dec 2018

Roles and Responsibilities:

- Actively participated in account level automation and innovation activities. Contributing solely and in group to realize more than 20 automation ideas.
- Built 5 automation tools using Python for reducing team level routine tasks
- Collaborated on application level BVM initiative to bring in optimized solutions and came up with 3 solutions to reduce ordering SLA and drug delivery.
- Established myself as single point of contact for all the critical deliverables and resolutions of the escalated issues. Reduction in SLA breach count by 70%.

Coordinated and helped 4 different development teams with application insights and real time data metrics

Supervised the implementation and live troubleshooting of 10+ high volume activities including credit card encryption and MOJO project.

As an application analyst I contributed on the incident queues and problem management activities

Education

- Bachelor of Technology in ECE from United College of Engineering and Research, Allahabad with 74.20%
- 10+2 (PCM) from Kendriya Vidyalaya, Phulpur (C.B.S.E.) with 72.80%
- 10th from St. Vishna RR Nectar School (C.B.S.E.) with 78.80%