

# Mohan Kumar Paluru

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Dear Hiring Team

I'm excited to apply for the Python Developer position at Siemens. With a strong background in Python programming and extensive experience in data engineering, I believe I can bring a lot of value to your innovative team.

Currently, I'm working as a Data Engineering Senior Analyst at Accenture. I've spent a lot of time designing and optimizing data ingestion processes, creating Python parsers to streamline data pipelines, and managing databases to ensure efficient data processing. These efforts have greatly improved data accessibility and usability for our clients. I'm comfortable working with SQL, AWS, Postgres, and MongoDB, which allows me to handle a variety of data environments effectively.

In my role, I've taken the lead on three proof-of-concepts (POC) projects, which has taught me a lot about taking ownership and delivering high-quality code consistently. One of my proudest achievements was managing a data migration project where I successfully transferred over 5TB of data between different cloud services and on-premises systems. Additionally, I helped design source-to-target mappings to ensure smooth and efficient data movement.

Before Accenture, I worked as a Programmer Analyst at Cognizant, where I developed Python backends for three web applications using Flask and FastAPI. I also implemented AI proof-of-concept projects, deployed solutions using Docker, Jenkins, and Apache, and managed Linux servers to support team operations.

My technical skills cover Python programming, AWS services, ETL tools, data integration, version control, and containerization. I've worked with tools and libraries like Pandas, Pyspark, Git, AWS Lambda, AWS Glue, AWS DataSync, Google Dialogflow, Docker, Flask, FastAPI, and Django REST API. My experience with databases includes Redshift, Postgres, DynamoDB, SQL, and MongoDB.

I'm proud of my certifications: AWS Certified Data Analytics – Specialty (DAS), AWS Certified Solutions Architect – Associate (SAA), AWS Certified Developer – Associate (DVA), and MongoDB SI Architect Certification Program. I also developed a project to automate the creation of Oracle Free Tier instances, which streamlined the process and addressed resource availability challenges.

At Accenture, I contributed significantly to the Life Science Analysis Application project by designing and implementing data integration processes using AWS Cloud Services, Python, and Docker. I also played a key role in automating on-premise data archival, enhancing data accessibility and supporting future analytics initiatives.

While at Cognizant, I tackled co-reference resolution challenges using Stanford and Spacy frameworks, trained custom entity recognition models, and created a conversational bot backend with Google Dialogflow. I also developed a media advertisement classification model, preparing datasets and using OpenCV and FFmpeg to identify media segments.

I have a Bachelor of Technology in Electronics and Communications Engineering from SRM University, which provided me with a solid technical foundation and strong analytical skills. Combined with my practical experience, I'm confident in my ability to excel as a Python Developer at Siemens.

Siemens' commitment to innovation and excellence really resonates with me. I'm especially excited about the chance to work on cutting-edge projects that use Python to drive technological advancements. I'm confident that my technical skills, problem-solving abilities, and dedication to delivering high-quality solutions align perfectly with Siemens' goals.

I would love to discuss how my background, skills, and experiences can contribute to the success of your team. Thank you for considering my application. I look forward to the possibility of further discussing this exciting opportunity.

Sincerely,  
Mohan Kumar Paluru