

ANUROOP KANCHERLA

Senior Software Developer

📞 703.935.9695

@ kancherlaanuroop@gmail.com

🌐 <https://www.linkedin.com/in/anuroop-kancherla-9a58> 📍 Herndon, VA

SUMMARY

Experienced Software Developer with over 7 years of expertise, specializing in AWS services. Proven track record in developing and optimizing robust applications for critical **data management** and analysis. Adept at implementing cutting-edge technologies and automation solutions to ensure efficient data processing and enhance user experiences. Skilled in overseeing the development and management of national record-keeping applications, implementing advanced search technologies, and facilitating seamless communication between diverse application components. Proficient in orchestrating serverless deployments, optimizing resource utilization, and integrating REST APIs for enhanced functionality. Committed to delivering high-quality solutions by leveraging innovative approaches and technologies. Strong problem-solving abilities and excellent collaboration skills in cross-functional teams.

EXPERIENCE

Senior Software Engineer

Satsyil Corp

📅 02/2022 - Present 📍 Herndon, VA

Worked in the Federal or government domain, developing and maintaining web applications with a focus on both frontend and backend development. Played a pivotal role in designing and architecting scalable software solutions. Collaborated effectively with cross-functional teams to deliver high-quality software solutions using Agile methodologies.

- **Advanced Search Technology Integration:** Spearheaded the integration of OpenSearch, optimizing archival data storage and retrieval. Developed complex search algorithms for quick, accurate access to archived materials and ensured seamless integration, guaranteeing a user-friendly search experience.
- **Public Collaboration & Data Engineering:** Enabled public participation through metadata contributions (tags, comments, transcriptions). Engineered user-generated data into structured formats within MySQL Database tables. Ensured seamless synchronization with OpenSearch, maintaining data integrity for users' searches.
- **Digital Object Processing with Amazon Textract:** Implemented Amazon Textract for Optical Character Recognition (OCR) extraction from images, PDFs, and multimedia files. Orchestrated storage in DynamoDB, optimizing data accessibility and providing comprehensive search results.
- **REST API Integration and Communication:** Utilized REST APIs backed by API Gateway for robust communication between application components. Ensured secure and efficient data exchange across interfaces, enhancing overall functionality.
- **Serverless Deployment & Resource Optimization:** Managed seamless deployment using AWS Fargate containers, optimizing resource utilization and scalability. Monitored serverless resources, ensuring consistent performance and responsiveness.
- **Image Processing & User Interaction Enhancement:** Implemented IIIF technology with Cantaloup Server for high-quality image processing. Enhanced user interactions with visually engaging representations, providing superior experiences for accessing archived materials.
- **Automated Data Processing with Airflow:** Implemented Airflow for automated processing of XML data. Proficient in **Python**, Docker, and Amazon Web Services. Developed robust, scalable, and modular infrastructures. Implemented error handling mechanisms for maintaining data accuracy and reliability. Collaborated effectively with cross-functional teams to resolve technical issues and drive project success.

Systems Engineer

ValueLabs

📅 07/2021 - 12/2021 📍 Hyderabad, India

Created client-specific web applications within the Health domain, implementing Agile development methods. Collaborated across diverse teams to deliver top-notch software solutions.

- **Architected User-Friendly Health Analysis Application:** Spearheaded the development of a sophisticated user interface application specialized in the in-depth analysis of human health, well-being, and medical data. This user interface empowered clients to refine their product marketing strategies and enhance end-user services dramatically.
- **Implemented Innovative Metadata-Driven Data Processing:** Devised and executed a pioneering Metadata-Driven methodology, enabled by Pentaho ETL tool, facilitating the streamlined processing of flat files within the system. This approach revolutionized data processing, ensuring precision and efficiency in data handling operations.
- **Engineered Customized Table Structures:** Designed and optimized intricate table structures tailored for efficient data flow into the Postgres Database. These customized structures seamlessly integrated and organized diverse datasets, optimizing the overall **data management** process and ensuring data integrity.
- **Leveraged Pentaho ETL Tool and Unix Shell Scripts:** Utilized Pentaho as a robust Extract, Transform, Load (ETL) tool, in conjunction with Unix shell scripts, to process, transform, cleanse, and prepare data for storage in the database. Demonstrated expertise in intricate data manipulation and transformation techniques, guaranteeing high-quality data output.
- **Enhanced ETL Processes and System Performance:** Implemented automated job scheduling and data redundancy prevention strategies, leveraging API's for seamless integration. This enhancement significantly reduced manual intervention, improving system performance and ensuring accurate, timely data processing.

EXPERIENCE

Technology Analyst

Infosys Ltd

📅 07/2018 - 07/2021 📍 Hyderabad, India

Collaborated seamlessly with cross-functional teams to ensure the successful delivery of high-quality software solutions within the Retail domain, following the Waterfall model.

- Azure-Based Real-Time Data Quality Assessment Application Development: Engineered a robust Azure application for continuous real-time data quality analysis. Integrated E2E Scorecard for comprehensive client reporting and harnessed Spotfire and Power BI for in-depth business insights. Ensured seamless data flow and efficient analysis for data-driven decision-making.
- Optimized Data Processing with Oracle PL/SQL and Unix: Leveraged advanced Oracle PL/SQL and Unix technologies for streamlined data processing. Implemented External Table Creation and intricate merge statements, enabling precise and efficient data manipulation. Ensured data accuracy and integrity through meticulous processing techniques.
- Automated Job Scheduling and Execution with Shell Scripting: Implemented sophisticated job scheduling and automation using Shell scripting in UNIX. Orchestrated flawless data processing and task execution, enhancing operational efficiency and ensuring timely data delivery.
- Environment Configuration and Performance Optimization: Implemented reusable packages, environment variables, and materialized views, optimizing code reusability and enhancing system performance. Streamlined the system configuration for seamless deployment and improved resource utilization.
- Dynamic Data Visualization with Oracle DB Procedures: Developed tailored procedures in Oracle DB for dynamic data visualization. Enabled the creation of interactive and insightful visual representations, facilitating dynamic business analytics and informed decision-making.
- Automated Job Management and Rapid Response: Developed an automated notification system using HTML in Shell scripting. Enabled real-time alerts to teams about job statuses, ensuring swift response to job outcomes. Implemented SLA-based job scheduling, guaranteeing timely data processing, summarization, and reporting.
- Managed end-to-end existing applications and effectively communicated with stakeholders. Demonstrated profound expertise in creating and resolving incidents/tickets using the integrated ServiceNow system.

Senior Systems Engineer

Infosys Ltd

📅 07/2016 - 07/2018 📍 Hyderabad, India

Developed and maintained web-based software solutions for the Retail industry. Worked closely with stakeholders to gather requirements and implement solutions to meet business needs.

- Advanced Processing Engine Development: Spearheaded the creation of a high-performance processing engine, handling incoming flat files from Upstream sources. Engineered seamless data flow, storing files in the warehouse, and enabling effortless data consumption for Downstream users. Utilized advanced algorithms for efficient data handling.
- Metadata-Driven Data Processing: Pioneered a Metadata-Driven methodology, optimizing the processing of flat file data within the system. Developed precise handling mechanisms for diverse data formats, ensuring accuracy and reliability in data processing operations.
- Expert SQL Development: Designed intricate table structures for optimized data flow into the warehouse. Developed sophisticated SQL queries, stored procedures, functions, and triggers using Oracle PL/SQL. Implemented comprehensive data manipulation and transformation techniques for complex data processing requirements.
- Efficient Data Manipulation Techniques: Implemented scheduler jobs for timely data updates, leveraging reusable packages to streamline coding across various scenarios. Utilized External Table Creation for data format conversions and string manipulations, optimizing data handling processes and ensuring data integrity.
- Configurational Excellence: Established environment variables to share configurations among multiple applications. Managed database connection strings and log file paths, ensuring consistent system settings across various components. Implemented secure and efficient communication channels between modules.
- Conditional Data Manipulation: Crafted complex merge statements, enabling conditional data manipulations. Ensured the accuracy of data transformations in diverse scenarios, enhancing data quality and consistency.
- Platform Reservation System Development: Engineered a robust reservation application allowing users to book slots for sports and extracurricular activities. Implemented the system across web and Android platforms, ensuring a seamless and responsive user experience on both interfaces.
- RESTful Data Communication: Engineered RESTful Web services for efficient data exchange between the web application and Android app. Utilized endpoints (URLs) to establish secure and optimized communication channels with the database. Ensured real-time data updates, enhancing the overall responsiveness of the application.
- Android UI Customization: Utilized Java Language in Android Studio to customize the Android user interface. Implemented advanced techniques, including override functionality, to tailor in-built widgets such as Radio buttons, Edit View, and List view. Met specific project requirements by adapting UI components.
- Interactive User Experience Design: Designed intuitive user interfaces with specialized elements like dialog boxes, notifications, and menus. Enhanced user engagement through interactive features. Implemented visual data representation using the Android Chart Library, including Bar Graphs and Pie charts, for comprehensive user insights and data visualization capabilities.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Amrita School of Engineering, Coimbatore, India GPA: 7.76

📅 08/2012 - 05/2016

SKILLS

Languages

Python

Java

Unix Shell Scription

PL/SQL Programming

PySpark

Cloud Technologies

AWS

EC2

S3

Glue

IAM

Lambda

Dynamo DB

API Gateway

Cloudwatch

ECS

SQS

SNS

Front End

OpenSearch

HTML

CSS

Javascript

XML

JSON

Database

Oracle 10g

MySQL

Postgres

Version Control

GitHub

CERTIFICATIONS & ACHEIVEMENTS



Infosys Limited – Monterrey, Mexico (On-Site)

Able to Manage the End to End Existing Applications and Communicate to Stakeholders.Profound Knowledge in creating and resolving the Incidents/Tickets using Service Now Integrated System



AZ-900 Microsoft Azure Fundamentals

The AZ-900 certification is Microsoft's Azure Fundamentals certification. It is an entry-level certification that validates a candidate's foundational knowledge of cloud services and how those services are provided with Microsoft Azure



AWS Certified Developer – Associate

The AWS Certified Developer – Associate certification is offered by Amazon Web Services (AWS) and is designed for individuals who have a hands-on experience in developing and maintaining applications on the AWS platform. This certification validates technical expertise in developing and deploying scalable and reliable AWS-based applications.



Best Team Player (2018-2019)

Awarded as Best team player for continuously 3 quarters , while I was working in Infosys.

Anuroop Kancherla

- Oak Hill, VA, US

Contact Information

- jls-n9c-bbj@mail.dice.com
- 7039359695

Skills

- **mysql** - 5 years
- **python** - 5 years
- **restful** - 4 years
- **aws** - 3 years
- **opensearch** - 2 years
- **oracle** - 4 years
- **psql** - 4 years
- **shell scripting** - 3 years
- **java** - 2 years

Work Preferences

- Desired Work Settings: Remote
- Likely to Switch: False
- Willing to Relocate: False
- Work Authorization:
 - US
- Work Documents:
 - Have H1 Visa
- Security Clearance: False
- Third Party: False
- Employment Type:
 - Part-time
 - Contract - Corp-to-Corp
 - Contract - Independent
 - Contract - W2
 - Contract to Hire - Corp-to-Corp

- Contract to Hire - Independent
- Contract to Hire - W2

Profile Sources

- Dice:
<https://www.dice.com/employer/talent/profile/cea3786d4f8dd6993e11e5b464865aec>