Ankith D Rai

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PROFESSIONAL SUMMARY

Experienced Software Engineer with expertise in workflow management platforms and web development, specializing in ETL frameworks and modern web technologies. Demonstrated success in leading complex integration projects for enterprise CRM clients. Skilled in DevOps practices with a focus on platform reliability and performance optimization.

SKILLS SUMMARY

Programming Languages: Python3, Javascript (ES6), Typescript, C#, Terraform, Salesforce Apex
Frameworks: Apache Airflow, Apache Kafka, Node.js, React, SAP Cloud Integration, SAP UI5 and Fiori
Libraries: OAuth2.0, OpenID Connect, Atlassian Connect Express, Simple-Salesforce, Salesforce-DX
API and Web Development: GraphQL, REST API, MVC, Webhooks, HTML, TailwindCSS
DevOps and Cloud: AWS (CodeBuild, CodePipeline, EC2, Route 53, Elastic Kubernetes Service, CloudWatch), Docker, Kubernetes, Jenkins, GitHub Workflows
Database and Storage: PostgreSQL, AWS RDS and Aurora PostgreSQL, AWS DynamoDB, AWS S3, Redis
Design Patterns: Abstract Factory, Builder, Singleton, Template, Adapter, Iterator, State, Observer, SOLID Principles

WORK EXPERIENCE

Deltek   Principal Software Engineer (Jan 2025 - Present)
Bengaluru, IN   Sr. Software Engineer (Nov 2023 - Dec 2024)

- Enhanced the CodePipeline by adding stages for upgrading Airflow Helm charts, automating AWS Aurora PostgreSQL backups and implementing integration testing in the DevOps environment using Terraform
- Led the design and development of an OAuth2 web application on the company's core product platform, integrating Apache Airflow for event-based ETL with CRM and ERP systems like Salesforce and Quickbooks
- Mentored and trained 9 engineers in writing optimized Apache Airflow DAGs, handling an enterprise workload of 53K+ records/day, improving efficiency and reducing processing time by 37% using LRU cache algorithms
- Developed custom airflow hooks and operators as a company wide library supporting SQlite database backend via SQLAlchemy, AWS S3 with the Boto3 client, and SFTP servers through paramiko library
- Implemented Prometheus alerts to monitor spikes in Aurora Serverless v2 connection pool and Kubernetes pods

Replicon   Sr. Software Engineer (Jan 2023 - Oct 2023)
Bengaluru, IN   Software Engineer (Aug 2019 - Dec 2022)

- Piloted the implementation of a company-wide Integration Platform using Apache Airflow hosted on AWS, achieving a 60% cost reduction (averaging USD 2500 per client) by eliminating third party iPaaS
- Pioneered the Integration Platform team, developing a Salesforce Connected App with Salesforce DX and Node.js for OAuth2 user interaction, leveraging platform events for webhooks which were hosted on Salesforce Marketplace
- Integrated JIRA Cloud with Replicon using Atlassian Connect Express (ACE) framework with JIRA V3 APIs
- Created Integration Flows in the SAP Cloud Integration for business workflows and a SAP Fiori UI5 Application
- Worked on setting up AWS CodeBuild, CircleCI with Salesforce DX, AWS CodePipeline for automated package deployment for Continuous Integration and Continuous Deployment using Terraform for Infrastructure as Code

EDUCATION

NMAM Institute of Technology   June 2015 - July 2019
Information Science and Engineering - CGPA: 8.22   *Karkala, Udupi District, IN*

CERTIFICATIONS AND ACCOMPLISHMENTS

Apache Airflow Fundamentals | *Astronomer*   Oct 2024
- ETL Tools, Data Engineering

Career Essentials in Generative AI | *Microsoft and LinkedIn*   Oct 2024
- Computer Ethics, Generative AI, Artificial Intelligence

Spot Award | *Award for contribution in client onboarding R&D*   2023 | 2022
- 1st Client in SAP Integrations | Onboarding of Enterprise customers in Airflow

Trailblazer and MVP Awards | *Award for the best developers in R&D*   2021 | 2020
- Most Innovative Developer | Most Valuable Player