

AMEY SADANAND BHILEGAONKAR

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EDUCATION

Arizona State University, Tempe, USA

August 2022 - May 2024

Masters of Science in Computer Science (GPA: 4/4)

Relevant Courses: Data Processing at Scale, Data Mining, Data Visualization, Statistical Machine Learning, Spatial Data Science

Pune Institute of Computer Technology, Pune, India

July 2015 - May 2019

Bachelors of Engineering in Electronics and Telecommunications (GPA: 8.78/10)

Relevant Courses: Discrete Mathematics, Data Structures & Algorithms, Machine Learning, Artificial Intelligence & Robotics, Operating System, Computer Networks

TECHNICAL SKILLS

Programming Languages	Python, Java, SQL, Unix / Linux Scripting
Cloud Platforms & Databases	GCP, AWS, DynamoDB, MySQL, PostgreSQL, Cassandra, Firebase, DBT
Libraries & Frameworks	Git, Spring Boot, Keras, Scikit Learn
Data Engineering	Airflow, Tableau, ETL, BigQuery, Kafka, Spark, Pandas, Apache Spark
DevOps / SRE	CI/CD, Git, Jenkins, Terraform, Docker, Kubernetes, S3, SNS, Automation

WORK EXPERIENCE

Publicis Sapient

Bangalore, India

Associate Software Development Engineer II - Data Engineer

January 2021 - July 2022

- Devised and Executed streamlined data pipelines to Extract, Transform, and Load data of 80 million daily transactions from 8 different sources from Amazon S3 to Cassandra using Java, AWS services, and Apache Spark.
- Transformed the outdated developer-centric deployment process by implementing automated CI/CD pipelines with Jenkins, enabling seamless Containerized, Batch, and Real-Time deployments with a 45% boost in efficiency.
- Developed and optimized complex SQL queries to extract and analyze data from large databases mitigated weekly 2 hours of run time for multiple hour-long data pipelines.
- Aided the design of solutions for the data platform with over 100 terabytes of data utilizing Java, Scala, and AWS technologies. Incorporated Engineer Excellence mechanisms through code reviews, documentation and scripts.

Associate Software Development Engineer I - Data Engineer

July 2019 - December 2020

- Spearheaded crucial Data Validation module which reduced over 75% manual efforts across a 15+ member team.
- Identified, Diagnosed and Documented critical issues in US, GB, AU markets with over 30 million customer transactions daily which increased revenue by 15%.
- Incorporated efficient OOP paradigms and Design patterns to develop services scalable to over 5 million US customers.
- Instituted and Automated Data Ingestion ETL Pipeline for 30 million daily transactions utilizing Python, Pandas, Google Cloud Platform APIs, & Apache Airflow.
- Engineered scalable frameworks for key components with optimal design impacting over 10 million customers.

PROJECTS

YouTube Analytics

- Analyzed the Kaggle dataset for trending YouTube videos using Python, Jupyter Notebooks, and AWS services, including Amazon S3 for data storage, Amazon EMR for big data processing, and Amazon QuickSight for data visualization..
- Created interactive dashboards using Amazon QuickSight to visualize the analysis results.

Student Hiring Made Easy

- Led the successful development and implementation of a cutting-edge student hiring web application at Pune Institute of Computer Technology, leveraging Python, Django, and MySQL.
- Configured the AWS EC2 instances to handle daily traffic load of 500 requests; implemented load balancing and auto-scaling groups to ensure 100% uptime and reduce downtime by 80%
- Upgraded an outdated manual hiring and logging system and improved the hiring process for over 10,000 students and faculty members annually.

CERTIFICATIONS AND CO-CURRICULARS

- Certified Google Cloud Platform **Associate Cloud Engineer**.
- Mentored and tutored at Pune Institute of Computer Technology and Publicis Sapient with Data Engineering and Cloud Fundamentals concepts to 25+ students and interns.