AMEY SADANAND BHILEGAONKAR

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WORK EXPERIENCE

Software Engineer Jan 2020 - Jun 2022
Winjit Technologies *Pune, India*

- Developed and maintained over 10 RESTful APIs using .NET Core, enhancing system integration and reducing response time by 30%.
- Led a team of 12 in designing a dynamic form generation tool with customizable CSS, cutting development time by 87.5% and improving UI consistency.
- Optimized large-scale databases, improving query performance by 25% through strategic indexing and query refactoring.

Data Engineer - II June 2019 - July 2022
Publicis Sapient *Bangalore, India*

- Engineered complex ETL pipelines using Apache Spark, optimizing data processing and reducing latency by 15% for real-time analytics.
- Revamped real-time data streaming solutions with Apache Spark and GCP Cloud Run, increasing revenue by 15% through enhanced data accuracy.
- Collaborated with cross-functional teams to integrate data solutions, improving data accessibility and reducing downtime by 20%.

Data Science Intern June 2023 - August 2023
BigCommerce *Austin, Texas*

- Designed a Snowflake data retrieval pipeline, improving data warehousing efficiency and reducing retrieval time by 40%.
- Implemented predictive models using logistic regression, increasing customer retention prediction accuracy by 12%.
- Collaborated with data infrastructure teams to resolve data-related issues, ensuring 99% data availability.

EDUCATION

Arizona State University, Tempe, USA August 2022 - May 2024
Masters of Science in Computer Science

Pune Institute of Computer Technology, Pune, India July 2015 - May 2019
Bachelors of Engineering in Electronics and Telecommunications

PROJECTS

Search Engine for All file types - Opportunity Hackathon - Meta Sponsored -

- Implemented Elasticsearch to enhance search response times to milliseconds, improving data retrieval efficiency.
- Converted diverse file types into vector embeddings, achieving low-latency search capabilities and enhancing user experience.
- Led the development of a Python FAST API, optimizing data access and retrieval processes, resulting in a 50% reduction in query handling time.

Scalable Data Processing Pipeline - Neo4J, Docker, Kafka and Minikube -

- Designed a scalable data processing pipeline using Kubernetes, Kafka, and Docker, increasing data throughput by 70%.
- Orchestrated Kafka and Apache Zookeeper setup with Minikube, enhancing system reliability and reducing deployment time by 40%.
- Streamlined data ingestion into Neo4j, applying graph algorithms for data exploration, improving query performance by 60%.

Email Automation Marketing Tool -

- Developed an email automation tool, streamlining outreach processes and increasing engagement rates by 30%.
- Integrated RESTful APIs to manage a contact database from CRM tools, enhancing data accuracy and accessibility.
- Demonstrated full-stack development skills, optimizing API design for seamless data flow and user interaction.

TECHNICAL SKILLS

Programming Languages: C#, Python
Cloud and DevOps: Azure, AWS, CI/CD, Git, Docker, Kubernetes
Databases: SQL, Relational Databases, Big Query, Cassandra
Data Engineering and Tools: Airflow, Spark, Kafka, Pandas, Tableau
Web Development: APIs, WebAPI, MVC, SASS, CSS
Certifications: Google Cloud Platform Associate Cloud Engineer,

ACHIEVEMENTS

Developed a RESTful API using C# .NET Core 6, improving data retrieval efficiency by 30% for a client-facing application.

- Implemented Azure Functions to automate data processing tasks, reducing manual workload by 40% and enhancing system reliability.
- Collaborated with a team to migrate a legacy application to a cloud-based solution using Azure Logic Apps, resulting in a 25% increase in system uptime.
- Led a project to integrate Blazor components into an existing MVC application, enhancing user interface responsiveness and user experience.
- Optimized database queries in SQL Server, reducing query execution time by 50% and improving application performance.
- Successfully applied test-driven development principles to ensure high-quality code and reduce bugs by 20% in the development lifecycle.
- Streamlined CI/CD pipelines using Azure DevOps, decreasing deployment time by 35% and increasing release frequency.