AMEY SADANAND BHILEGAONKAR

480-616-3980 ameybhilegaonkar3@gmail.com https://github.com/ameygoes https://linkedin.com/in/amey-bhilegaonkar

WORK EXPERIENCE

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

- Engineered 10+ RESTful APIs and distributed services, enhancing system scalability and functionality, resulting in a 20% increase in user engagement.
- Initiated and designed a dynamic forms generation solution with customizable CSS, reducing development time by 87.5% and improving team efficiency.
- Led a cross-functional team of 12 in developing low-latency, responsive UI/UX features, improving application performance and user satisfaction by 30%.

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%, enhancing data-driven decision-making.
- Revamped real-time data streaming solutions with Apache Spark and GCP Cloud Run, increasing revenue by 15% through improved transaction processing.
- Collaborated with cross-functional teams to manage large-scale data processing tasks, improving resource utilization and system performance by 20%.

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

- Designed and managed a Snowflake data retrieval pipeline, improving data warehousing efficiency and reducing retrieval time by 25%.
- Implemented logistic regression models, enhancing customer retention prediction accuracy by 12%, supporting strategic marketing initiatives.
- Collaborated with data infrastructure teams to ensure data availability, resolving data-related issues and improving system reliability by 15%.

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 -

- Engineered Elasticsearch implementation to achieve millisecond response times, enhancing search functionality and user experience.
- Converted diverse file types into vector embeddings, optimizing search capabilities and reducing latency significantly.
- Led Python FAST API development, streamlining data access and retrieval, improving system scalability and efficiency.

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

- Designed a scalable data processing pipeline using Kubernetes and Docker, enhancing system robustness and availability.
- Orchestrated Kafka and Zookeeper setup with Minikube, facilitating seamless data flow and real-time processing.
- Streamlined data ingestion into Neo4j, applying graph algorithms for advanced data exploration, improving analytical capabilities.

Email Automation Marketing Tool -

- Developed a robust email automation tool, enhancing outreach efficiency and networking capabilities by 40%.
- Integrated RESTful APIs to manage a comprehensive contact database, improving data accessibility and user engagement.
- Demonstrated full-stack development expertise, optimizing API design for seamless integration and functionality.

TECHNICAL SKILLS

Programming Languages: Python, Java, C#
Cloud Platforms & Databases: AWS, GCP, SQL, Big Query, Cassandra
Data Engineering & Tools: Airflow, Spark, Kafka, Pandas
DevOps & SRE: CI/CD, Git, Jenkins, Docker, Kubernetes
Software Architecture & Development: Scalability, Functionality, User-Centric Design
Certifications: Google Cloud Platform Associate Cloud Engineer,

ACHIEVEMENTS

Engineered a dynamic UI form generator using optimal design patterns and efficient OOP, reducing development time by 87.5%, enhancing user-centric design.

- Led a cross-functional team to develop a scalable ticketing platform feature, increasing system functionality and user engagement by 30%.
- Designed and implemented a robust software architecture for a mission-critical system, improving scalability and reducing downtime by 40%.
- Collaborated with a team to pioneer a new real-time ticketing service, integrating user feedback to drive continuous improvement and enhance user experience.
- Received the 'Innovator of the Year - 2022' award for developing a Python-based solution that improved data processing speed by 50%.