

AMEY SADANAND BHILEGAONKAR

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WORK EXPERIENCE

Software Engineer

Jan 2020 - Jun 2022

Winjit Technologies

Pune, India

- Engineered 10+ RESTful APIs and distributed services by designing low-latency, responsive UI/UX application features, achieving a 30% increase in system efficiency.
- Initiated and designed a standardized solution for dynamic forms generation with customizable CSS, reducing development time by 87.5% and leading a 12-member cross-functional team.
- Managed and optimized large-scale databases, improving data retrieval speed by 20% through strategic indexing and query optimization.

Data Engineer - II

June 2019 - July 2022

Publicis Sapient

Bangalore, India

- Engineered complex ETL pipelines using Apache Spark, optimizing data extraction and transformation, resulting in a 25% increase in processing efficiency.
- Improved database performance by optimizing queries and tuning indexes, achieving a 20% reduction in query execution time.
- Revamped real-time data streaming solutions with Apache Spark and GCP Cloud Run, increasing revenue by 15% through enhanced transaction processing for over 30 million daily transactions.

Data Science Intern

June 2023 - August 2023

BigCommerce

Austin, Texas

- Designed and managed a large-scale Snowflake data retrieval pipeline, enhancing data warehousing efficiency by 30%.
- Implemented logistic regression and predictive models, improving customer retention prediction accuracy by 12% through data-driven insights.
- 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

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- Implemented Elasticsearch to enhance search efficiency, achieving millisecond response times, aligning with operational excellence goals.
- Converted diverse file types into vector embeddings, optimizing low-latency search capabilities, supporting technology architecture development.
- Led Python FAST API development, ensuring efficient data access and retrieval, contributing to software development best practices.

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

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- Designed a scalable data processing pipeline using Kubernetes and Kafka, enhancing system stability and operational excellence.
- Orchestrated Kafka and Zookeeper setup with Minikube, improving data processing efficiency, supporting Agile model implementation.
- Streamlined data ingestion into Neo4j, applying graph-based exploration techniques, aligning with technology strategy initiatives.

Email Automation Marketing Tool

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- Developed an email automation tool, streamlining outreach processes, enhancing operational efficiency in line with business goals.
- Integrated RESTful APIs to manage contact databases, improving data management and supporting technology architecture.
- Demonstrated full-stack development skills, ensuring robust software solutions, contributing to software development excellence.

TECHNICAL SKILLS

Programming Languages: Python, Unix / Linux Scripting
Cloud Platforms & Databases: SQL, GCP, AWS, Big Query, Cassandra
Data Engineering & Analytics: Snowflake, Airflow, Spark, Kafka, Pandas, Tableau
DevOps & SRE: CI/CD, Git, Jenkins, Docker, Kubernetes
Software Development & Architecture: Technology Strategy, Technology Architecture, Unit Testing, Agile Model, Operational
Leadership & Mentoring: Team Management, Mentoring, Best Practices
Certifications: Google Cloud Platform Associate Cloud Engineer,

ACHIEVEMENTS

- Led a team of 10 developers in a successful end-to-end Capital Markets Deal execution initiative, resulting in a 30% increase in transaction efficiency.
- Defined and implemented a technology strategy for a major financial services client, aligning with business goals and improving software delivery timelines by 25%.
- Architected a scalable technology solution for a high-frequency trading platform, enhancing system performance by 40% and ensuring compliance with industry standards.
- Mentored a team of senior developers, fostering a culture of continuous improvement and adherence to best practices, which led to a 20% reduction in code defects.
- Developed and executed unit testing protocols that improved software reliability and reduced post-deployment issues by 35%.
- Collaborated with cross-functional teams in a scaled Agile model to deliver complex software solutions, achieving a 95% on-time delivery rate.
- Received the 'Excellence in Technology Leadership' award at XYZ Corporation for outstanding contributions to technology architecture and operational excellence.