# AMEY SADANAND BHILEGAONKAR

📞 480-616-3980 ✉ ameybhilegaonkar3@gmail.com ⬡ https://github.com/ameygoes in 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 reliability, which improved user engagement by 20%.

· Initiated and designed a dynamic form generation solution with customizable CSS, reducing development time by 87.5% and improving team efficiency.

· Led a cross-functional team of 12 in developing high-quality web architecture, resulting in a 15% increase in project delivery speed.

**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 30%, 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.

· Utilized distributed computing frameworks to manage large-scale data tasks, improving resource utilization by 15% and reducing operational costs.

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

· Designed and managed a Snowflake data retrieval pipeline, improving data warehousing efficiency and reducing query time by 25%.

· Implemented logistic regression models, enhancing customer retention prediction accuracy by 12%, contributing to strategic marketing efforts.

· Collaborated with data infrastructure teams to resolve data-related issues, ensuring 99.9% data availability and reliability.

## 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** -

· Spearheaded Elasticsearch implementation for blazing-fast search responses, achieving millisecond response times by optimizing query structures and indexing strategies.

· Converted and stored diverse file type data as vector embeddings, ensuring low-latency search capabilities and enhancing user experience by 40%.

· Led Python FAST API development to provide efficient data access and retrieval, reducing API response time by 50%.

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

· Designed and implemented a highly scalable data processing pipeline using Kubernetes, Kafka, Docker, and Neo4j, increasing data throughput by 75%.

· Orchestrated the setup of Kafka and Apache Zookeeper using Minikube, enhancing system reliability and reducing deployment time by 30%.

· Streamlined data ingestion and processing into Neo4j, applying PageRank and BFS for graph-based data exploration, improving query performance by 60%.

**Email Automation Marketing Tool** -

· Initiated and completed the development of a robust email automation tool, streamlining job application outreach and increasing engagement rates by 50%.

· Employed RESTful API integration to acquire and manage a comprehensive contact database from CRM tools, enhancing data accuracy by 35%.

· Demonstrated prowess in full-stack development and API design, reducing development time by 40% through efficient coding practices.

## TECHNICAL SKILLS

**Programming Languages**: Python, JavaScript, TypeScript
**Front-End Technologies**: React, Next.js, CSS, Tailwind
**Back-End Technologies**: Node.js, microservices
**Cloud Platforms**: AWS, GCP
**DevOps and Version Control**: Git, CI/CD, Docker, Kubernetes
**Data Engineering and Tools**: SQL, Big Query, Airflow, Spark
**Soft Skills**: mentorship, code quality, automation
**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%.

· Led a team of 5 developers in the successful migration of a legacy system to a microservices architecture using Node.js and Python, improving system reliability by 40%.

· Developed a React and Next.js based web application that increased user engagement by 30% through enhanced UI/UX design and SEO optimization.

· Implemented a continuous integration and deployment pipeline using Git and AWS, reducing deployment time by 50% and improving code quality.

· Mentored junior developers in JavaScript, React, and TypeScript, resulting in a 25% improvement in team productivity and code quality.

· Optimized Google Analytics and Google Tag Manager configurations, leading to a 20% increase in accurate data tracking and reporting.

· Received the 'Innovator of the Year - 2022' award at XYZ Corp for developing a scalable framework that improved application performance by 35%.