SWETHA VINAY ARGEKAR

Dallas, TX ♦ M:+1(945)2334456 ♦ swetha.argekar@gmail.com ♦ github/sargekar ♦ LinkedIn/SwethaArgekar

EDUCATION

Master of Science in Computer Science   **August 2022 - December 2024**
The University of Texas at Dallas**,** Texas, United States   GPA: 3.5

Bachelor of Engineering in Electrical and Electronics Engineering   **August 2012 - June 2016**
Visvesvaraya Technological University, Bengaluru, India   GPA: 3.7

WORK EXPERIENCE

Senior Software Developer   **August 2020 - August 2022**
Yellow.ai   Bengaluru, India

- Backend development of 50+ Conversational AI solutions and workflows of multilingual WhatsApp, Salesforce bots, and Google Assistants for web and mobile platforms for Fortune 500 clients like Bajaj Finance and Colgate resulting in a 15% increase in scalability.
- Spearheaded the calendar validation module hosted on Docker Swarm and Firebase with consistent and real-time location identification, enhancing accuracy for mobile users by 14.2%.
- Containerized and deployed CI/CD pipelines of the in-house platform, utilizing Docker, Jenkins, and Kubernetes to streamline processes, which reduced deployment time by 40%.
- Formulated webhooks using Express.js and Java to handle multi-party client communications for 29+ WhatsApp Business features, including dynamic messages, file attachments, and lists, integrating these capabilities into the product.
- Built 20+ analytics dashboards per client, defining KPIs to evaluate performance metrics using Elasticsearch on Microsoft and Google TTS and STT engines, enabling multilingual capabilities and improving product adoption by 14%.

Senior Software Engineer   **October 2019 - July 2020**
HashedIn Technologies (HashedIn by Deloitte)   Bengaluru, India

- Pioneered APIs of the California Privacy Act for Ford and Lincoln web services in Java leading to a 19% increase in retail sales for consent workflow synced with 20+ dealers across the US.
- Led the cloud migration of Syndication services, utilizing AWS Lambda and S3 for scalable storage and Docker for containerization of refactored APIs, leading to a 400 milliseconds decrease in response time.
- Devised an ETL pipeline for handling the Consent XML files using Apache Kafka, resulting in a 12.3 % reduction in processing time.
- Established asynchronous processing with Spring WebFlux and Kafka for critical services, reducing the turnaround time from 10 to 7 seconds.
- Engineered a robust database monitoring solution using Grafana for the user consent platform, leveraging MySQL to optimize database performance, reduce downtime by 50%, and improve query efficiency by 25%

Software Engineer   **June 2016 - September 2019**
UnitedHealth Group (Optum Global)   Hyderabad, India

- Revamped Keyword ID Automation leveraging **Java**, Apache Kafka, and MySQL, which led to $200K yearly Savings by reducing the operation time by 85% and voted as 'Bright Idea of the quarter'.
- Full-stack development of secure data handling authentication from NDB to ETL datastage resulting in 14.5% enhanced data protection.
- Devised the first Claims processing chatbot on Trizetto Facets for code tagging for 400k+ claims on the Medicare Platform with a 12.3% improvement in processing speed.
- Led the end-to-end development of the Patient portals employing **Spring MVC**, Hibernate search, and **JPA** for database operations, with a 95% code coverage with integration and performance tests in JUnit and Mockito.
- Optimized Enrollment system within CSP Facets, streamlining member data processing using Cassandra and ensuring system robustness and efficiency for over 1 million Medicaid/Medicare enrollees.

TECHNICAL SKILLS

Programming	: Java, Python, Node.js, HTML/CSS, SQL, React.js, C, C++, Bash Shell
Databases and OS	: Oracle SQL, MySQL, Elasticsearch, MongoDB, Postgres, SQL Server, Windows, Unix, Linux
Frameworks	: Tableau, Power BI, AWS, Azure Data Factory, Informatica (ETL), Anaconda, Maven, Hadoop, GitHub, Google Cloud, Jira, Docker, Jenkins, Firebase, Redis, Databricks, Hive, Django
Libraries	: Pandas, Scikit-learn, NumPy, Seaborn, Matplotlib, ggplot2, NLTK, Microsoft TTS, OpenCV
Certifications	: AWS Technical Professional Accreditation, Python for Data Science, Lean Certification(six-sigma)

PROJECTS

Real-Time Robotic Pose Visualization | *ROS, Gazebo, Rviz, Python*   **November 2024**
Engineered a ROS-based autonomous navigation system for a mobile robot, integrating SLAM algorithms, LIDAR, and camera sensors to enhance real-time mapping and obstacle detection with 98% reliability.