YASH JAJOO

716 (368)-8162 | yashjajo@bufflo.edu | linkedin.com/in/restacksyj | github.com/restacksyj | restacksyj.com

EDUCATION

University at Buffalo, The State University of New York	**Graduating December 2025**
Masters of Science, Computer Science	*Buffalo, NY*
Sinhgad Institute Of Technology, Lonavala	**August 2017 – May 2021**
Bachelor of Engineering, Computer Science	*Pune, India*

TECHNICAL SKILLS

Languages: Python, Golang, Typescript, Javascript, Dart, Rust, C, C++, PHP, Lua
Databases: MySQL, MongoDB, PostgreSQL, BigQuery, Redis
Frameworks/Others: Apache Kafka, Kubernetes, Docker, AWS, GCP, Git, React, Laravel, Azure, NodeJS, Flask, PyTorch, Spring Boot, Grafana, Nginx, GitOps, Debezium, Astro, Linux, Neovim, Jupyter Notebook

EXPERIENCE

Freightify — **August 2021 – July 2024**
Software Development Engineer 2 | Golang, NodeJS, MongoDB, AWS, React — *Chennai, India*

- Scaled multiple products to support thousands of users, maintaining various microservices and employing modern tech-stacks such as **gRPC**, Golang, and NodeJS to develop highly available systems with **99.5% uptime.**
- Modernized infrastructure by transitioning from traditional AWS EC2 to **Kubernetes** and Google Cloud Platform (GCP), improving scalability and **reducing deployment time by 40%** through automated container orchestration and efficient resource management.
- Developed full-stack applications using the MERN stack, building internal tools that increased operational **efficiency by 30%** and enhanced product management within the company.
- Implemented **ETL** pipeline using **distributed systems** such as **Kafka** and Debezium to stream real-time changes in the database and visualizing it in **Grafana** dashboards.

Occipital Tech — **October 2019 – December 2019**
Software Engineering Intern | Flutter, Java — *Mumbai, India*

- Engineered an Android and iOS application to empower farmers in identifying and grading commodity samples.
- Implemented real-time analysis of features using **OpenCV** on Android to **optimize accuracy by 20%.**
- Designed an intuitive user interface to enhance **user engagement by 30%** and streamlined the grading process.

Freightbro Logistics — **August 2018 – March 2019**
Software Engineering Intern | Flutter, Swift, Kotlin, Dart — *Mumbai, India*

- Developed a logistics management Android app using Flutter, incorporating RxDart for **efficient state management** and **reactive programming**. The app facilitated real-time shipment tracking, order management, and notifications, ensuring a smooth user experience across devices.
- Implemented complex **client-side logic with caching** to enhance application functionality and performance.
- Streamlined authentication processes and deployment workflows using Firestore and **CircleCI**, reducing deployment time by 45% and improving overall app management efficiency.

PROJECTS

Lyrik | *Flutter, NodeJS, Firebase* | Play Store Link — **December 2019 – Present**

- Engineered the Lyrik Android app, enabling users to search, view, and save song lyrics across various music genres. Implemented **offline** functionality using **SQLite** for seamless access without internet connectivity.
- Over **50,000+** downloads on the Google Play Store.
- Implemented real-time lyrics display, and playlist management features using Flutter and Dart; optimized performance and enhanced UI/UX, resulting in a **4.8-star** rating on the Google Play Store within three months of launch.

Speech Emotion Detection | *Python, PyTorch, scikit-learn, CNN* — **Decemeber 2020 – May 2021**

- Utilized **LSTM and CNN** models to predict speech emotional states and classify them into six categories.
- Preprocessed raw audio data by extracting relevant features such as MFCC, pitch, and spectral contrast.
- Deployed the model on a website for practical emotion detection using real-time audio.