

Basit Tramboo

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Experience

Software Development Engineer

Freolabs Creative Solutions Pvt. Ltd. 🌐

Sep '16 - Aug '24

Bangalore, India

• Sapience Agri – Internal BI & Operations Platform

- Built and deployed an internal automation system, reducing manual operations by **40%** and improving decision-making by **30%**.
- Containerized backend using **Docker** + **Nginx**, deployed on **EC2**.
- Integrated **SES**, **SNS**, and **EventBridge** for alerts and workflows; monitored infrastructure with **CloudWatch**.

• OneStepUp – Career Assessment Mobile App

- Led app development, digitizing assessments and reducing result turnaround by **70%**; served **5K+** **monthly users**.
- Built and maintained the mobile backend with Node.js and Collaborated cross-functionally with product, design, and QA teams to gather requirements, define architecture, and deliver feature-rich applications on schedule using agile methodologies.
- Achieved **>99% crash-free sessions** with **Crashlytics**; automated communication via **SES** and **SNS**.

Projects

Cloud-Native Subtitle generator

Technologies: AWS Lambda, S3, EBS, EventBridge, Transcribe, Bedrock, SES

Feb '25 - Apr '25

Adv. Topics in Cloud Computing

- Built a serverless web app to upload videos and deliver subtitle (.srt) files via email using **API Gateway**, **Lambda**, **S3**, and **EventBridge**.
- Automated transcription with **Amazon Transcribe** and NLP analysis using **Amazon Bedrock**.
- Used **SES** for email delivery and **CloudFormation** (YAML) for IaC-based deployment.
- Implemented secure, event-driven workflows with **presigned URLs** and **IAM roles** for access control.

Community Smell Detection

Technologies: Flask, Docker, CI/CD, Machine Learning

Oct '24 - Nov '24

Software Development Concepts

- Designed a **lightweight Flask backend** and **HTML/CSS front-end**, web application to detect community smells present in GitHub repositories.
- Improved the reliability of the code by **containerizing the application** to be readily deployable.
- Implemented **CI/CD pipelines** using **GitHub actions** to readily test and deploy application properly.
- Developed the application while **implementing AGILE and TDD frameworks** for software development.

Cloud-Native Extract Transform Load (ETL) Pipeline

Technologies: GCP, Hadoop, Java

Oct '24 - Nov '24

DBMS and Data Warehousing

- Designed a **cloud-native ETL pipeline** using **Hadoop** and **GCP**.
- Performed **sentiment analysis** using **distributed systems** implementation in Java.

Education

Master of Applied Computer Science

Dalhousie University

Sept '24 - Jan '26

Halifax, NS.

Relevant Courses: Cloud Architecting, Cloud Computing, DBMS and Data Warehousing, Serverless Computing

Bachelors in Computer Science and Engineering

Islamic University of Science and technology

Sep '12 - Aug '16

Kashmir, India

Skills

Relevant Technologies: JavaScript, Python, AWS, GCP, Azure, NodeJS, DynamoDB, MongoDB, MySQL, Java, REST APIs, Hadoop, Docker, GitHub, Kubernetes, YAML, CloudFormation, HTML, CSS.

Soft Skills: Team work, Time management, Adaptability, Flexibility, Reliability, and Critical thinking.