LinkedIn
an516658@dal.ca

Anirudh Hosur (He/Him)

GitHub | Portfolio Website
YouTube | +1(782)778-9087

TECHNICAL SKILLS & CERTIFICATIONS

Programming Language Java 11, Node.Js, Python, Javascript/typescript (ES6), HTML5, CSS, Kotlin, and C/C++

Backend frameworks Spring boot, Junit5, Mockito, Spock, & Groovy | Flask & Selenium | Express, Jest | REST web APIs.

Frontend frameworks React, Vue, Redux, Android Studio, Grafana, Bootstrap & MaterialUI.

Database & ETL tools SQL, NoSQL, Ms SQL, OracleDb, MySQL, & **GCP** Dataflow (map/reduce) and Big Data

Cloud Computing **AWS:** S3, IAM, API Gateway, Lambda, DynamoDB, SNS/SQS. **GCP:** Cloud Run, build, Artifact Registry, & GKE

Relevant Skills Docker, Containers, Hibernate, Maven, Git/GitHub, CI/CD, Jenkins, Maven, Linux, & Tomcat.

CERTIFICATIONS **Microsoft Azure** Fundamentals AZ-900 **[2024]**, **AWS** Cloud Practioner **[2023],** & **Oracle** Java/dB **[2022]**

RELEVANT EXPERIENCE

Full Stack Cloud Developer Intern, **CloudOps Inc.***, Montreal, QC* **Aug 2023 — Dec 2023**
- Integrated VMware's compute sizing policies for **accurate delta metric calculations** (CPU, RAM, Storage) during VM/Vapp operations and precise cloud resource utilization **leading to accurate invoicing for leading South American telecom firm**.
- Executed **100% test coverage** in Groovy and Spock and led development in *Spring boot and Java*. [*cloudmc: cloud-director plugin*]
- Redesigned [*cloudmc-ui*] primary and secondary navigations for distinct user roles (system, customer, reseller) in *Vue.js*, resulting in enhanced UX. Rectified 20+ critical *UI bugs* and streamlined **test case efficiency by 25%** using Jest & Vuex. [*cloudmc-ui*]
- Developed database migrations scripts in SQL to address rollback state management, database inconsistencies, and versioning using APM tool Flyway DB. [*cloudmc-core*] Collaborated in an agile team (Jira tickets); Jenkin and sonarcloud code analysis for DevOps practices.

Research and Teaching Assistant**, Dalhousie University**, *Halifax, NS* **Oct 2022 — Dec 2023**
- Researched and developed a python script creating a distributed system to extract tweets and person of interest based on keywords, criteria, hashtags, and timeline to analyze data and write a research paper on ethics of software engineering at social media firms.
- Implemented **automated Python script that scrapes over 50,000 tweets** and stores them in an excel file by managing the API rate limits.
- Collaborated with professors to deliver course content, led student development projects with code reviews as a **Product Owner**,
- Conducted lab sessions in Agile, CI/CD, design patterns, Git, dB modeling, SQL, MERN, and JavaScript for a class of over 50 students.

Associate Consultant, **Oracle Corporation**, *Bengaluru, IN* **Aug 2021 – Aug 2022**
- Architected a microservice to generate excel files (Apache POI) of business objects to screen customers based on sanctions for risk, fraud, and compliance in Citibank's customer screening application to **mitigate risks and adhere to regional compliance** in the US.
- Migrated existing monolithic customer screening application to microservices architecture by deploying on Redhat Openshift hybrid cloud model.
- Enhanced application's efficiency by achieving **100% test coverage on Sonarlit**, bean validations, lazy loading, exception handling, caching using Redis, and Swagger v3 for documenting the API with Java, Spring boot, Spring Security, and Spring Batch.
- Collaborated in Agile (Scrum) methodology best practices.

Full-stack Java Developer Intern**, Quinbay Technologies**, *Bengaluru, IN* **Jan 2021 – Aug 2021**
- Improved database 's efficiency by enhancing APIs in Spring boot by fixing timestamp related data payload between microservices toeliminate redundant data. Maintained tickets on Jira as **Scrum master**. Initiated and accomplished several *UI bugs fixes in React*.
- Developed data visualization & reporting tool on Grafana dashboard to analyze **company's quarterly performance reports**.
- Constructed an e-commerce application on Android Studio with google firebase authentication, MySQL schemas, over **40 API coverage with Junit test cases**, Android Studio, and Spring boot in a 1-week hackathon.

PROJECTS

Serverless multi-player Quiz Application **May 2023 — Jul 2023**
- Led a team of 6 by developing the UI in React and deploying multi-player quiz application on GCP's Cloud Run by setting up CI/CD pipeline with GCP Artifact Registry and Docker**. [Pipeline Setup Video]**
- Implemented team management feature by developing lambda functions in NodeJs interacting with DynamoDb routed via an API Gateway and AWS SNS-SQS **filter-based policy** alert system to improve user experience. [Notifications System setup]

Infrastructure as Code Task App with JWT Architecture Security (Youtube Video) **Jan 2023 — Apr 2023**
- Developed a React task manager app with microservices architecture with NodeJs backend APIs on individual lambda functions routed via an API Gateway. Configured email notifications using AWS SNS and SQS for every AWS lambda trigger.
- Maintained user sessions using AWS Cognito's generated JWT token to authenticate user and authorize API requests. Deployed the app on AWS Beanstalk and provisioned the system's services by **scripting an AWS CloudFormation Yaml template (IaC)**.

Reboundr (A LinkedIn clone; ReboundR) **Sept 2022 — Dec 2022**
- Engineered the job listing module in a MERN stack application by executing customizable, search and filterable jobs for recruiters and seeker user personas. Applied Jest framework for API testing and **Yaml** script for CI/CD pipeline deployed on Netlify. [CI/CD Setup]

EDUCATION

Master's in Applied Computer Science	Dalhousie University	GPA: 4.0/4.3	Sept 2022 — Dec 2023
Bachelor of Engineering, CS	VIT University	GPA: 8.24/10.00	Jul 2017 — Jun 2021