

EXPERIENCE

Harman Connected Services

Aug 2022 – Present

Senior product development engineer

Client-site : Mercedes Benz Research and Development India

Project: Online Music Entertainment

June 2024 – Present

- Working on a newly patented application scheduled for rollout in December 2024, using Go (Golang) for the backend with gRPC for communication and ReactJS with MaterialUI for the frontend.
- Developed features such as the HomeView button for the HU app buckets and maintained 58 Golang microservices, employing gRPC and REST APIs with a custom server framework.
- Utilized ISTIO for service mesh management and Pulumi for infrastructure as code.
- Integrated with client providers - **Cinemo, Apple, Spotify, Amazon, Tidal, and Genie.**
- Served as a Machine Reliability Engineer (MRE) on rotation for on-call support.
- Managed Continuous Integration with Azure Pipelines and Continuous Delivery with ArgoCD.

Tech Stack – Golang, REST API, gRPC, Protobuf, Pulumi, ISTIO, ArgoCD, BloomRPC, K9s, Azure Key Vault, Azure App configuration, Azure Kubernetes service(AKS), Azure Log Analytics(ALA), Azure Container Registry , Azure DevOps, Azure Data Explorer, Docker, BlackDuck, Gitbash, Datadog, LaunchDarkly, SonarQube, Postman, IntelliJ IDE, Confluence, Jira.

Project: Speech Cloud India

Aug 2022 – May 2024

- Created the Boiler-Plates and developed a cutting-edge Voice Activated Quiz service with **user audience of 70,708** which has **3 REST API** endpoints and developed using **Golang - Gin** framework.
- Configured Decision Tables and User input training platforms within the speech development platform, refining the logic and parameters to optimize the platform's decision-making capabilities for voice activated quiz service.
- Migrated a **Python - flask** microservice of **2 REST APIs** with **OpenAPI** generator where Navigation is triggered through voice to **Golang - GorillaMux** microservice, building the azure pipelines, dockerfile, using existing helm charts for the migrated services, showcasing adaptability and expertise across diverse frameworks which is expected to improve the performance of the service by 60%.
- Integrated providers for data – **Token Gateway Authentication(OAuth), Google maps** provider, **LaunchDarkly, Large Language Models (LLM), Cerence, ECarx, SoundHound.**
- Health checks of the pods and microservices using Kubernetes and Datadog Monitoring.
- Continuous Integration/Deployment pipeline integrations, pull requests, code reviews in latest technologies like **Azure DevOps**, load testing, unit/integration/E2E testing.
- Led the software implementation of feature toggling tool LaunchDarkly, **go - cache**, existing **helm charts**.
- Hands on with monitoring tool like **Datadog** and dashboards, **Lint** and **SonarQube**.
- Fixing P1, P2, P3 PROD and Non-PROD bugs and guiding software engineer freshers for proper solutions in **SAFe Agile** environment.

Tech Stack – Golang, Gin, GorillaMux, Python, flask, Java, Springboot, REST API, OpenAPI, gRPC, Protobuf, OAuth, Azure Key Vault, Azure App configuration, Azure Kubernetes service(AKS), Azure Log Analytics(ALA), Azure Container Registry , Azure DevOps, Azure Data Explorer, Docker, BlackDuck, Gitbash, Datadog, LaunchDarkly, SonarQube, Postman, IntelliJ IDE, Kreyo, Confluence, Jira.

Capgemini Engineering

Aug 2019 – Aug 2022

Consultant – Professional II

Client-site : Mercedes Benz Research and Development India

Project : e-Mobility Service provider

June 2020 – Aug 2022

- Implemented the UI for presenting the tariff details from external provider and calculating final estimations of costs for better pricing information display with **user audience of >60K** developed using **Kotlin – Springboot** framework.
- Monitored using **Datadog** and reduced the downtime by 10% and stability by 5% during my **System Readiness Review(SRR)** window.
- Integrated with multiple providers like – **Digital Charging Solutions(DCS), ChargePoint(CP)**.
- Managed a portfolio comprising **18 microservices** and **4 libraries**, collaborating closely with team members to ensure seamless integration across software ecosystem.
- Collaborated with cross-functional teams at client-site and overseas clients to integrate new features and business use-cases to elevate the customer experience.
- Experience in authentication mechanisms and protocols including **OIDC/OAuth**.
- Discussing the security threats and system inefficiencies with onsite clients and overseas clients to solve the issues and the timeline of technical solution.
- Understanding the business needs and providing the technical solutions and guiding to produce technical user manual maintained at client site.
- Exposed REST API endpoints and adapted Junit test cases, Integration and E2E test cases.
- Contributing to Low Level design documentation with **Sequence diagrams** for multiple services.
- Facilitated the onboarding process by delivering comprehensive **Knowledge Transfer (KT)** sessions.

Tech Stack – Kotlin, Springboot, Maven, PostgreSQL, PGAdminV4, REST API, Swagger, Azure Key Vault, Azure App configuration, Azure Kubernetes service(AKS), Azure Application Insights, Azure Database for PostgreSQL flexible servers, Azure API Management, Azure Container Registry, Azure DevOps, Docker, BlackDuck, Gitbash, Datadog, LaunchDarkly, SonarQube, Postman, IntelliJ IDE, Confluence, Jira.

Software Engineer Fresher

Offshore Development Centre: Intel telecom

Project : UMTS L3 Network Simulator

Aug 2019 – May 2020

- Engaged in a dynamic role as a Software Developer within the telecom and networking domain, contributing to a client project focused on the development of a UMTS L3 Network Simulator.
- Contributed to the development of a robust UMTS nodeB simulator. Resolved issues within the URR stack.
- Collaborated effectively with cross-functional teams to ensure the seamless integration of the UMTS L3 Network Simulator into the larger telecom ecosystem.

Tech Stack - C/C++, System Trace Tool, UTP Clear Quest, TCloud, BeyondCompare, VNCViewer, KlockWork, Visual C Studio.

CERTIFICATIONS

- Certified by Capgemini/ Altran in LinkedIn on Kotlin (Aug 2020)
- Certified by Nalanda training (Aricent) on core java (Oct 2019)

EDUCATION

Malnad College of Engineering, Computer Science and Engineering
CGPA – 8.77

June 2015 – June 2019

PUBLICATIONS

Published a paper on "Automated Criminal Identification by Face Recognition using open Computer Vision Classifiers" which is published in "2019 3rd International Conference Computing Methodologies and Communication (ICCMC)" at **IEEE Xplore – isbn: 978-1-5386-7808-4**