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Summary

Software Engineer with 4 years of experience in Full stack development. Have a strong communication and technical background in field of cloud application development.

Professional Experience

GE Healthcare (Nov,2021 – Present)

- Currently working as **Software Engineer** in **GE Healthcare**, Bangalore in **Imaging system software** team.
- Developing and maintaining end-to-end release of healthcare containerized platform based on Kubernetes, docker.
- Developing and maintaining end-to-end release of core healthcare microservices (workitem, worklist, snomed and mwl)
- Working on tech stacks angular, golang, python, rabitmq, elk, kibana, posgres, redis, swager, open API

Ericsson (Oct, 2018 – Nov, 2021)

- Worked with **Ericsson**, Gurgaon as Software Engineer in Ericsson Cloud & NFVI team.
- Frontend Development using **Angular, HTML, CSS, TypeScript, JavaScript, d3.js**.
- Backend API Development using Python, Flask API framework, Elastic Search on docker platform.
- Writing Automation Scripts/Testcases for NFVI & Cloud Infrastructure.
- Using Agile, Devops, microservices architect and CICD pipeline methodology for development.
- Developing POC's for complex business requirement in Machine Learning, Python based applications, IOT based Applications.
- Developing Code, deployment of Software applications on Dev/Test/Prod environment.
- Won Ericsson Service Delivery Hackathon,2019 for Cognitive Search Engine.

Project Chronology

Edison Machine Lite (EML) Platform (GE healthcare)

EML is containerized platform based on docker, Kubernetes used for running healthcare microservices. Modalities use this as platform to run application on it. For maintaining lifecycle of platform ansible is used.

- Role: Software Engineer
- Environment: Kubernetes, Docker, Microservices development, Golang microservices, Ansible.

Coreload microservices (GE Healthcare)

Development of healthcare microservices like workitem, worklist, snomed and UI. These are generics microservices used by modalities (CT scan, Xray, Woman healthcare and Ultrasound).

- Role: Software Engineer
- Environment: angular, golang, python, rabitmq, elk, kibana, posgres, redis, swager, open API 3.0

Ericsson Operation Cloud Infrastructure Manager (Ericsson)

It is a one stop solution to monitor all the Ericsson cloud products from a single pane of glass portal. Its gives full view of Ericsson cloud solution to the customer. Developed dashboard, implemented metrics

graphs using d3.js

- Role: Software Developer
- Environment: Angular, Apache Kafka, Elastic Search, Kubernetes, CICD, Swagger, Flask-API, Airflow.

Cloud Infrastructure Telemetry Solution (Ericsson)

Data analytics for cloud infrastructure (engine and GUI + impact on data storage for infrastructure)

- Role: Software Developer
- Environment: Angular Frontend, Python API, Elastic Search,

Cognitive Search (Ericsson)

Elastic Search and Cognitive Search using Whoosh and Universal Sentence Encoder Algorithms, used to remove duplicate Jira issues and get root cause analysis. Forecasting of tickets using FBprophet algorithm. Analytics of issues i.e. trends. For front-end view used angular to display all above features.

- Role: Software Developer
- Environment: Angular Frontend, Machine learning, NLP, Python, Cognitive Search.

Ericsson NFVI LLD Automation(Ericsson)

Nfvi LLD is an automation tool for developing LLD design for a network.

- Role Software Developer
- Environment: Angular frontend, Python automation scripts backend**.**

Ericsson Cloud Environment Deployment (Bharti-Airtel- Manesar Datacenter)

Openstack Cloud Deployment on HP Blade Servers. Configuration of cloud according to clients need.

- Role: Integration Engineer
- Environment: Openstack, Linux, HP Blade servers, Shell scripting.

Coil Marking Robot (Essar Steel Ltd)

Its a robotic arm that is used to mark on the steel coils. My role is to make a portal that is used as an interface for communication between client database and robot PLC.

- Role: Software Engineer
- Environment: Java socket, JavaFX, Multithreading, Arduino.

AgVa Healthcare Ventilator (AIIMS Delhi)

Development of ICU Ventilator

- Role: Robotics Embedded Engineer
- Environment: Raspberry pi, Python Embedded Programming, I2C communication.

Technical Skill Exposure

- Programming Language: Python, Angular, Java, Golang
- Embedded Frameworks: Arduino, Raspberry pi, IOT
- Application Server: Apache, NGINX, Mod wsgi python
- Database: Elasticsearch, PostgreSQL.
- Framework: Python-flask, Python-Django
- Operating System: Windows, Linux
- Primary Skills: Restful Web services, Kubernetes, Docker, CICD, Jenkins, Spinnaker,
- Secondary Skill: Shell scripting, Raspberry pi, Arduino, IOT

Academic Project: Design & Development of Robotics Control & Movement Using Mobile

Tele Presence Robot

Project mainly aims at the designing and development of Robotics movement using Mobile. The project involves the use of Raspberry pi, 4:16 Decoder (IC 74154), DTMF Decoder (IC 8870), opt coupler (IC 817), H-Bridge, DC Motor, Capacitor, Resistor & Regulator. Programmed using Java Embedded Language and Java Android Code.

Industrial Training Exposure: ASET Research Institute Noida

Training Exposure: Python Embedded, Raspberry pi, Microcontrollers.

Academic Details

BE in **Electronics and Communication** with Aggregate of 89% from **Jaypee University, Noida** in 2014-18.
S.S.C from CBSE with Aggregate **89.20 %**
H.S.C from Sacred Heart School (**ICSE)** with Aggregate **88.57 %**

Personal Details

Father's Name:	Mr. Subhash Ambiya
Mother's Name:	Mrs. Prem Ambiya
Date of Birth:	14-01-1997
Language Known:	English, Hindi
Marital Status:	Single
Nationality:	Indian

Declaration

I, hereby, declare that the above-mentioned information is correct and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Bangalore

Date:

Yours Sincerely

(Nishant Ambiya)