Marshel Abraham

+91 9731936968   marshel.abraham@gmail.com

WORK EXPERIENCE

Senior Software Engineer	Fireeye	July 2020 - Present

- Develop Backend service for FENET Enrollment Service using REST APIs
- Messaging System for Distribution of Intel across fireeye appliances
- Transition Fireeye Products to Cloud deployment using Microservice Architecture

Member Technical Staff	RIFT	Aug 2017 - June 2020

- Designed highly available Platform that runs on all Cloud services like AWS, GCP, vSphere
- Optimize backend performance and scale it horizontally
- Implement new messaging system with Redis store. Operational data fetch improved by 30-50x.
- Key role in making the product more cloud native and improve the observability of the system.

Senior Systems Engineer	Siemens	Nov 2016 - Aug 2017

- Design and Implementation of Substation Automation Software

Senior Engineer	Harman	Aug 2014 - Nov 2016

- Design and Develop multi-threaded applications Aha/Pandora
- Implement interface and integrate with HMI, Media, Audio and bluetooth connectivity

Software Engineer	Robert Bosch	Jun 2012 - Aug 2014

- Infotainment Middle-ware component for AM/FM Tuners that serves Traffic Accnouncement and Messages

SKILLS

- Proficient: Python, Linux, Redis
- Competent: NATS, Protobuf, Mongo, SQL, Golang, Docker
- Novice: Kubernetes

OPEN SOURCE PROJECTS/ACHIEVEMENTS

- Contributed patches to Linux kernel
- Active participation in Hacker Rank
- Github Repo
- Secured 1st in debugging hackathon

EDUCATION

TKM College	University of Kerala	2008-2012

- B-Tech in Computer Science and Engineering GPA: 8.2

- Coursework: Operating Systems, Data structures, Algorithms, Databases
- Project: SICvm, a virtual machine to emulate SIC programs