**Sakthi Muthukrishnan Ulaganathan** sakthi.u@gmail.com

# Objective

To synergize my knowledge and managerial skills for achieving organizational goals through constant innovation and work towards self-improvement

# Personal Skills & Challenges

Comprehensive problem-solving abilities, excellent verbal and written communication skills, Ability to deal with people diplomatically, willingness to learn, team facilitator

Successfully developed remote file systems browser that is being incorporated in COMODO personal firewall

Good Exposure at UNIX internals, debugging techniques and crash dump analysis

# Professional Experience

**Senior Software Engineer 27th Feb 2020 – Till**

**Oracle India Pvt Ltd**

**Title Project**: Session Border Controller

**Project Description**: Controlling sessions while making presence/instant message/voice/video/gaming SIP calls

**Responsibility**: I have been doing a senior software engineer role for oracle product SBC (Session Border Controller). I have been involved into C/C++/UNIX/Python development activities

**Technologies used**: C/C++/UNIX, Oracle VM, Python Scripting, JSON, XML, HTML5, CSS3, Angular8, Type Script, Java Script

**Operating Systems**: Linux

**Technical Lead 14th Jan 2019 – 24th Feb 2020**

**HCL Technologies Ltd**

**Client: Caterpillar**

**Title Project**: OEA Fleet

**Project Description**: OEA Fleet Management that is displayed in the caterpillar mine machines

**Responsibility**: I have been doing a technical lead role for caterpillar. I have been involved into C/C++/UNIX/Ruby/Python development activities

**Technologies used**: C/C++/UNIX, Oracle VM, Python Scripting, JSON, XML, HTML5, CSS3, Angular8, Type Script, Java Script, SCSS, Ionic

**Operating Systems**: Linux, Windows

**Senior Software Engineer 18th Apr 2018 – 13th Jan 2019**

**R.R.Donnelley India Outsource Pvt Ltd**

**Title Project**: Printing and Media

**Project Description**: Preparing printing formats for large volumes

**Responsibility**: I have been doing a senior software engineer role for R.R.Donnelley. I have been involved into preprocessor part of printing large volumes and legacy systems supported by C, C++, UNIX skills

**Technologies used**: SQL, PL/SQL, Oracle, Python Scripting, Angular4

**Operating Systems**: Linux, Solaris, Windows

**Free Lancer (Break) 27th Aug 2014 – 2nd Mar 2018**

 **3rd Oct 2011 – 25th Mar 2014**

**Title Project**: VOIP and LMS by LDAP

**Project Description**: LDAP directories to edit and query

**Responsibility**: I had been engaged in sustaining of applications like LMS, ARC and mobile mode of swipe, support and other added features. I had development opportunities done on sustaining of applications like VOIP (Vovida) and mobile phone voice calls, AAA authentication and support

**Technologies used**: C, C++, Clear Case

**Operating Systems**: Linux, Solaris, Windows

**Senior Consultant**

**ARK InfoTech Spectrum Pvt Ltd, Chennai 27th Mar 2014 – 28thJul 2014**

**Title Project**: Target

**Client Name:** Wipro

**Project Description**: Target Technology Services POS machine

**Responsibility**: I was doing a senior application developer role for Target technology services. I have done sustaining of applications like POS, MCX, and mobile phone payment to enhance, support and add features

**Technologies used**: C, C++, TFS, VC++, Python

**Operating Systems**: Windows

**Senior Software Engineer**

**Virtusa Software Services (P) Ltd, Chennai 20th Dec’10 – 30th Sep 2011**

**Title Project**: RATING & BILLING

**Client Name:** CONVERGYS

**Project Description**: RATING & BILLING is the product to generate convergent billing to telecom customers. This product serves to create customer plans, tariffs, add customers, group plans/rates for fixed group, etc., Release rollups happen every three months where feature enhancements, defect fixes are released to customers.

**Responsibility**: I had been part of development team where I was leading a five member team to Feature Enhancements, customer support, defect fixes and regression tests. Literally it includes replication of defect or identifying customer requirement on the existing software system architecture, developing the fix or requirement, writing unit test cases, running unit test plans, code reviewed with experts, running static analysis on diff code changes, checking them to build release branch. If required updating the release document and user guide and updated in bug tracker

**Technologies used**: C/C++, AAA (RADIUS, Diameter and TACACS+), Python, Angular

**Databases**: Oracle 10g, 11g, Sybase

**Operating Systems**: Linux, Solaris, IBM-AIX

**Associate Software Engineer**

**TATA Consultancy Services, Chennai. 19th Mar’10 – 16th Dec 2010**

**Project Title:** Network Custody Services

**Client Name:** Standard Chartered Bank, Chennai

**Project Description:** I had been played the role to design software functional specification for new customer requirements, develop enhancements, support production servers and SIT, UAT; OAT tests before production implementation are successfully carried out. Pro C language was used to develop Daily/Monthly (BOD, EOD and EOM) job services and Sybase database as backend server.

**Technologies used**: Pro C

**Responsibility**: I was into feature enhancement and collecting developed programs from team members eventually place them to production server. Till that there are many phases where I had gone through steps like writing SFS, design document, distributing design requirements to team members, writing unit test cases, verification of unit test results, writing implementation guide to production server team. Finally at implementation phase, I was with production server team to place all programs to production server and configure them with scheduler

**Databases**: Sybase

**Operating Systems**: IBM-AIX

**Member Technical Staff**

**HCL Technologies Ltd, Chennai. 19th Mar’07 – 18th Mar 2010**

**Title Project**: Cisco Access Registrar

**Client Name**: Cisco

**Project Description**: Developing and sustaining CAR (Cisco Access Registrar) product that is an AAA (RADIUS, DIAMETER supported) server targeted to internet service providers. This product does Authentication, Authorization and Accounting by the use of PAP, CHAP and EAP protocols

**Technologies used**: C, C++, UNIX, VC++, Multithreading, Socket programming, HTML, CSS, Java Script

**Protocols Used**: RADIUS, DIAMETER, EAP-SIM, EAP-AKA, EAP-FAST, EAP-GTC, EAP-MD5, EAP-TLS and EAP-TTLS, TCP/UDP/IP, Layer2/Layer3 Protocols

**Responsibility**: I added code for LDAP remote server framework and one of EAP methods EAP-AKA to existing radius server. Also I had been involved in design, development of feature enhancements or bug fixes, support customers. All these process are noted in bug tracker web page. Apart from these I had been involved giving product training to TAC engineers.

**Data Bases**: Oracle, LDAP Directory Services

**Operating Systems**: Linux, Solaris

**Software Engineer**

**Comodo Security Solutions, Chennai 28th Aug ’06 – 16th Mar’07**

**Title Project:** Remote Management Console for COMODO Products

**Client Name:** COMODO

**Project Description:** Involved in development of Remote Management Console Product to remotely manage all COMODO products. My responsibilities were design, development of features. I was also involved in development of GUI program for COMODO Personal Firewall Pro 2.4 and COMODO Personal Firewall Pro 3.0

**Technologies used**: C, C++, VC++, MFC, COM, Multithreading, Socket programming, HTML, CSS, Java Script etc.

**Responsibility**: I involved in code development of remote management console product of COMODO. There I was identifying list of solutions to system requirement, developing and implementing them in latest code branch. Techniques used is multithreading, sockets, shared memory, pipes, COM/DCOM, MFC libraries and user interface library from code jock third party

**Operating Systems**: Windows XP

# Academic Credentials

2008-2010 **BITS (Pilani)**, Pilani, Rajasthan.

**M.S** in **Software Systems**

2001-2005 **Anna University**, Chennai, Tamil Nadu.

**B.E** in **Computer Science and Engineering.**

2000-2001 **HSC** Tamil Nadu State Board, Tamil Nadu.

**HSC in Mathematics & Biology**

1998-1999 **SSLC** Tamil Nadu State Board, Tamil Nadu

# Technical Skills

Good Knowledge in C, C++, UNIX, VC++, MFC, Win 32 APIs with hands on experience in Socket programming, Multithreading, crash dump analysis and Python scripting, C#.net, ASP.net, .net core, MVC etc.

Good Understanding of Networking concepts and protocols like, RADIUS, DIAMETER, SNMP, ICMP, IGMP, TCP/IP, UDP, EAP-SIM, EAP-AKA, EAP-FAST, EAP-GTC, EAP-MD5, EAP-TLS and EAP-TTLS and Layer 2/3 Protocols

Having experience in cloud computing like Amazon Web Services (AWS) and Windows Azure

# Personal Details

**Date of Birth :** 2nd June, 1984

**Contact Number :** +91 9445111556

**Languages Known :** Tamil, English

**Visa :** USA (B1/B2)

**Declaration:**

I hereby declare that all the above given information are true to the best of my knowledge

**Sakthi Muthukrishnan Ulaganathan**