THILAKKUMAR IYYADURAI NADAR

ithilak@gmail.com | https://www.linkedin.com/in/thilakkumar-iyyadurai-230aa9b6/ | (424) 206-0867

Fremont, CA, 94538

OVERVIEW

Senior Software Engineer with development and automation capabilities. Always working or looking to work on a challenging and rewarding position where I can continue learning and using all my knowledge.

COMPETENCIES

- Strong working experience in development using **Python**
- Strong development background in Unix
- Working experience with Elastic search and MongoDB Databases
- Developed multiple frameworks for automation
- Working knowledge on container frameworks like Kubernetes, Docker - Experience in Agile/Scrum and Waterfall software cycles
- Good troubleshooting/debugging/problem resolution experience
- Strong knowledge in networking technologies – Ospf and BGP
- Strong hands on Data structures and Algorithms. - Knowledge about **Cloud** and **AWS**

SKILLS

- **Development/Scripting Languages**: Python and C
- **Cloud Technology:** AWS and OpenStack
- **Database**: Elasticsearch, MongoDB and MySQL
- **Container Technologies**: Docker and Kubernetes.
- **Frameworks**: Robot Framework, Jenkin
- **Orchestration Tool:** Ansible
- **Data Ingestion Framework:** Kafka
- **Networking**: L3 and L4 Protocols
- **Web Framework**: Django

EDUCATION

- Bachelor of Engineering in Computer Science, Bharathidasan University 1999-2003, India

CERTIFICATIONS

- **AWS C**ertified **S**olutions **A**rchitect - Associate
- **C**ertified **K**ubernetes **A**pplication **D**eveloper (id: LF-5u4dt48wtb)
- **C**isco **C**ertified **I**nternetwork **E**xpert (Service Provider: CCIE #36285)

AWARDS / SPECIAL RECOGNITION

- Recipient of "Cisco Achievement Program" Awards.
- Recipient of "Innovation Award" twice for developing tools for execution and integration.

EXPERIENCE

- Mar 2018-Present
  Senior Software Engineer • Cisco Systems • San Jose, California - USA
  Tools/Frameworks/Automation Infrastructure Development,
    - Developed the Dashboard using Django to monitor and control the Scale Setup
    - Designed and developed Traffic Infra in Python for sending co-related traffic, simulating syslog, trap, NetFlow and device on-boarding traffic in a co-related fashion.
    - Lead test/automation efforts
    - Designed and implemented framework to automate Disaster Recovery Functionality
    - Designed and implemented framework to automate in 3 Nodes cluster

- **Sep 2017-Mar 2018**
  Senior Software Developer •DirecTV (Consultant Tata Consultancy Service) • El Segundo, California - USA
  Network Automation
    - Designing and Development using Python, Ansible and MongoDB
    - Developed the tool from the scratch to fetch and patch the VSM configuration
    - Developed the tool to do the zero-touch configuration on iDrac and CMC Dell Server

- **Nov 2013-Aug 2017**
  Technical Lead • Ericsson (Consultant Tata Consultancy Service)• Bangalore, Karnataka-India
  Tools/Frameworks/Automation Infrastructure Development,
    - Develop the framework for SDN Test Automation
    - Technically leading the testcase execution and automation
    - Develop the library for OpenStack and open flow protocol
    - Feature Scalability automation for MPLS L3vpn using Python and Robot Framework
    - Develop the tool for KPI automation using python

- **June 2008-Nov 2013**.
  Software Engineer (Tool Development) • Cisco Systems (I) Pvt. Ltd • Bangalore, Karnataka-India
  Network Automation and Involved in Tool Development to support Testing team
    - Coding using TCL and ATS framework
    - Developed a Tool to start the regression on multiple testbed/production using TCL
    - Developed a Tool to analysis the failure and also associated bugs based on the feature
    - Developed a module to bring up the network topology
    - Developed the DASH tools that will automate the steps involved in script integration process.

- **Nov 2005-May 2008**.
  Senior Software Engineer • Veryx Technologies Pvt Ltd. • Chennai, Tamil Nadu-India
  Involved in Stock Development and Ensure the software quality of L2/L3 Switches by performing functional and manual testing
    - Develop the Protocol stack for Ospf/Ospfv3 protocol using C
    - Coding using TCL and ATTEST framework
    - Designing Test plans for L2/L3 Protocols