Contact

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abhijithkulkarni (LinkedIn)

Top Skills

MPLS
Routing
BGP

Patents

Dynamic LSP resizing in a GMPLS
mesh network
Mutli-Level Recovery In Transport
Networks

Abhijit Kulkarni

DevOps, Python, Kotlin, C++, NodeJs,
Vermont, Victoria, Australia

Summary

14+ years of experience in Architecture, Design, Coding, and testing
in Financial, Networking and telecommunications domain which
involves dockerizing of micro services , development of terraform
to automate AWS Infrastructure creation and integration with CI/CD
pipeline.
• Programming Languages: Python, C++(11), NodeJS, Kotlin, React,
Redux, Lua.
• AWS Experience: ALB, ECS, EKS, lambda, EC2, S3, Route53,
IAM, RDS.
• DevOps Tools: Docker, Jenkins, AWS, Terraform, TeamCity,
Artifactory, Redis.
• AGILE Methodologies including Scrum, Kanban and TDD
• Database:
o SQL: MSSQL, MySQL,
o No SQL: Mongo, DynamoDB
• Repositories : Git, Clearcase, p4, TFS
• Trainings and workshops: AWS Technical essentials, Architecting
on AWS.
• Tools: GNU Debugger, UML Modelling(Star UML), Microsoft Visio,
Rational Purify
• Patents: Multi Level Recovery in Transport Network, Dynamic LSP
resizing.
• Routing & Signalling Protocols : BGP, RSVP, OSPF, ISIS, LDP,
SDN
• Optical Standard: Optical Transport Network(G.709 standard)

Experience

IRESS
Senior Developer
August 2016 - Present
Melbourne, Australia

Development and deployment of micro services for

- Portfolio and position management
- Order creation and post trade processing.
- Order commissions
- Portfolio Alters

Infinera
Principal Software Engineer
January 2010 - August 2016 (6 years 8 months)
Bangalore

Code reorganization and restructuring to adapt to different products of
Infinera.
Build process improvement.
L2 VPN setup (using BGP) for Infinera products.
Worked on Design and development Optical Transport Network (G.709) and
cross connect creation of OTU/ODU transport, switching.
GMPLS Te-link bring-up using OSPF.
LSP setup using Rsvp-TE
Performance enhancement using SRAM.

Agilent Technologies
Tech Lead
August 2007 - January 2010 (2 years 6 months)
bangalore

Worked on L2 Multipathing for Data Center Ethernet(DCE), BGP, IS-IS and
LDP enhancements.
IS-IS support for Data Center Ethernet (DCE)
4-byte AS for AS_Path and L3VPN scenario, Graceful Restart, KeepAlive timer
enhancements for BGP protocol.
Route Tagging and Forwarding Adjacency enhancements for IS-IS protocol.
Scalability and unsupported FEC enhancements for LDP protocol.

Mascon Global
Senior SE
July 2004 - August 2007 (3 years 2 months)
Bangalore

Worked on Diameter Base stack protocol (IMS complaint) and GQ, RF
interface
IKE client with EAP-AKA and EAP-SIM

Netrake

Contract from Mascon
2006 - 2006 (1 year)

Education

Siddaganga Institute of Technology
B.E, computer science · (2000 - 2004)

PC jabin