

Murali Koppula

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Skills

| | |
|--|---|
| Blockchain | Ethereum, EVM, Bitcoin, Hyperledger |
| Decentralized Application tools | Smart contracts, ReMix, MetaMask, Mist, Truffle |
| Enterprise Java Application Servers | WebSphere Liberty 18.x, WebSphere Traditional 9.x/8.x, WebLogic 11g, Tomcat, CQ |
| Web Servers | Apache 2.2 |
| Databases | Oracle 12c/11g |
| Operating Systems | Linux (RHEL, Ubuntu), Unix |
| Security frameworks | Identity Federation (SAML2) |
| Web development tools | Eclipse |
| Cloud Computing | Amazon Web Services |
| DevOps | GIT, <i>UrbanCode</i> Deploy |
| Design methodologies & Patterns | UML |
| Programming languages | Java, Python, C, Solidity, Perl, Bash, awk |

Experience

- Infrastructure Architect Sr., PNC Financial Services Jun 2011 – Sep 2018
 - Provided the subject matter expertise in the application server platforms; including WebSphere, WebLogic (Oracle Fusion Middleware), and Tomcat platforms.
 - Developed automation for deployments of the application servers and the supporting interfaces.
 - Provided engineering support for the application server and supporting platforms.
 - Developed automation for standalone containers such as Adobe CQ, test automation product (CA Lisa), and UrbanCode Deploy.
 - Provided proof of concepts for new products, features, and security remediations.
 - Certified the hosted features and versions.
 - Provided guidance in troubleshooting J2EE platforms.
 - Developed automation for patching, and license product implementation.
- Distributed Architect / AVP, BNY Mellon Sep 2010 – May 2011
 - Implemented Identity Federation using CA Federation Manager.
 - Provided proof of technologies for various use-cases.
 - Collaborated with development teams in implementing use-cases for various federation scenarios.
- Software Engineer Lead, PNC Financial Services Jan 2006 – Sep 2010
 - Developed tools for automation of integration services, and configuration of application servers.
 - Developed tools for deployment of web applications on WebSphere application servers for cluster configurations and cell setups.
 - Development using JMX for controlling WebSphere components.
 - Automation scripts for setting up IBM web content management system.
- Senior Systems Engineer, SAIC Apr 2004 – Nov 2005
 - Developed J2EE components on the Weblogic application server platform using struts framework

- Configured a clustered environment for Oracle mid-tier environments.
- Consulting role, BearingPoint Inc. 2002 – Apr 2004
 - Represented as an Oracle and Java consultant for DFAS applications.
- Consulting role, CEI 1995 – Apr 2001
 - Developed online and batch processes for Eli Lilly & Company to publish and subscribe personnel and organizational data, mostly using Oracle stored procedures.
 - Developed a batch application tool for Mellon Bank to upload bulk data to an LDAP Directory Server. The tool was used to parse text data to generates LDIF script for LDAP.
 - Developed and supported a multithreaded batch interface in C for Alcoa, for loading financial data into Oracle GL Applications.
 - Developed a program as part of the Y2K remediation effort for Alcoa, to reverse engineer and document programs using C, ksh and awk.
- Engineer, Intergraph India Pvt. 1993 – Apr 1995
 - Involved in the development and support of an application for emergency fire, medical and police services.
- Engineer, CMC Limited. 1990 – Apr 1994
 - Developed an application to monitor the dredging operations. Computations and graphics were implemented in C language, X-Windows based Graphics Kernel System.
 - Involved in the development of common codebase of database inventory application for Defense ordnance factories.

Coursework

- Blockchain Platforms, University at Buffalo, SUNY (Coursera) 2019
- Decentralized Applications, University at Buffalo, SUNY (Coursera) 2019
- Smart Contracts, University at Buffalo, SUNY (Coursera) 2019
- Blockchain Basics, University at Buffalo, SUNY (Coursera) 2019
- Virtual Machines internals (JVM), CSCI E-98, Harvard Extension School F2016
- Fundamentals of website development, CSCI E-12, Harvard Extension School S2016
- Cloud Computing, CSCI E-90, Harvard Extension School F2015
- Network Architecture and Protocol, CSCI E-40, Harvard Extension School F2014

Education

- M.Tech., Indian Institute of Technology Jun 1988 – Dec 1990
- B.Tech., Jawaharlal Nehru Technological University Jun 1982 – May 1987
- Sainik School Jun 1974 – May 1982