

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
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 engineering support for the application servers and associated platforms, by providing the subject matter expertise in the application server platforms; primarily WebSphere, but also the WebLogic (Oracle Fusion Middleware), and Tomcat platforms in the areas of provisioning, performance tuning, security hardening, and problem determination.
 - Certified new components, and feature evaluation and integrations to the application server platforms including conducting proof of concepts, and any necessary programming for the certification.
 - Developed automation for deployments of the application servers and the supporting interfaces by scripting and necessary programming. Also provided automation for patching, license monitoring (ILMT).
- 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 scripting and programming for automation of installation, configuration, and deployment of application servers in clustered WebSphere platforms. This includes necessary proof of concept evaluations, scripting for provisioning, security hardening, and Java programming with custom JMX mbeans.
 - Subject matter expertise and administration support for WebSphere and Apache infrastructure.
 - Provided administration support and automation for upgrade and migration IBM web content management system, to Adobe CQ.
- 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.
- Consultant, BearingPoint Inc. 2002 – Apr 2004
 - Worked as a Java and Oracle consultant at DFAS.
- Consulting role, CEI
 - 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 generate 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).
 - Involved in the development and support of an application for emergency fire, medical and police services.
- Engineer, CMC Corporation.
 - Involved in the development of common codebase of database inventory application for Defense ordnance factories.
 - Technical lead for the development of an application used to monitor the dredging operations. Computations and graphics were implemented in C language, X-Windows based Graphics Kernel System.

Certifications

- [Blockchain Specialization](#), University at Buffalo & The State University of New York S2019

Coursework

- Blockchain Platforms, University at Buffalo, SUNY (Coursera) S2019
- Decentralized Applications, University at Buffalo, SUNY (Coursera) S2019
- Smart Contracts, University at Buffalo, SUNY (Coursera) S2019
- Blockchain Basics, University at Buffalo, SUNY (Coursera) S2019
- 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, Kharagpur
- B.Tech., Jawaharlal Nehru Technological University, Kakinada
- Middle, Junior, and High School, Sainik School, Korukonda