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, *UrbanCode* 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 automation of installation, configuration, deployment, and patching of clustered WebSphere platforms, using scripting and Java programming with custom JMX mbeans.
  - Provided subject matter expertise and administration support for clustered WebSphere and Apache infrastructure. This includes necessary proof of concept evaluations, security hardening, and problem determination.
  - Provided automation and administration support 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.
o Consultant, BearingPoint Inc.   2002 – Apr 2004
  - Worked as a Java and Oracle consultant at DFAS.
o 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.
o Engineer, Intergraph (India).
  - Involved in the development and support of an application for emergency fire, medical and police services.
o Engineer, CMC Corporation.
  - Involved in the development of common codebase of database inventory application for Defense ordnance factories.
  - Tecnical 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

o Blockchain Specialization, University at Buffalo & The State University of New York   S2019

Coursework

o Blockchain Platforms, University at Buffalo, SUNY (Coursera)	S2019
o Decentralized Applications, University at Buffalo, SUNY (Coursera)	S2019
o Smart Contracts, University at Buffalo, SUNY (Coursera)	S2019
o Blockchain Basics, University at Buffalo, SUNY (Coursera)	S2019
o Virtual Machines internals (JVM), CSCI E-98, Harvard Extension School	F2016
o Fundamentals of website development, CSCI E-12, Harvard Extension School	S2016
o Cloud Computing, CSCI E-90, Harvard Extension School	F2015
o Network Architecture and Protocol, CSCI E-40, Harvard Extension School	F2014

Education

o M.Tech., Indian Institute of Technology, Kharagpur

o B.Tech., Jawaharlal Nehru Technological University, Kakinada

o Middle, Junior, and High School, Sainik School, Korukonda