

# Murali Koppula

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## Skills

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

## Experience

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- Infrastructure Engineering Architect Sr., PNC Financial Services Jun 2011 – Sep 2018
  - Worked in an engineering and architect role 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 deployment, high-availability, security hardening, performance tuning, monitoring, problem determination, and patching.
  - 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 installation, deployment, patching, and license monitoring by necessary programming.
- 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.
- 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

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

## Coursework

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- 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

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- M.Tech., Indian Institute of Technology, Kharagpur
- B.Tech., Jawaharlal Nehru Technological University, Kakinada
- Middle, Junior, and High School, Sainik School, Korukonda