NIRANJAN KUMAR VELAGAPUDI

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PROFILE

15+ years of experience in Software Development including Architecting, Solutions, Design, Development, Integration and Maintenance of enterprise applications using **Cloud**, **Mobile & Java/J2EE** Technologies.

Working experience as **Cloud, Enterprise & Application Architect** performing deep analysis on technical and functional aspects of IT applications. Designing architecture, deployment and migration of the enterprise business critical workloads in to **Amazon Cloud** and Google Cloud.

Hands-on experience with AWS Cloud, providing architecture solutions for workloads using various software, platform, infrastructure, serverless services.

Mobile Architect experience architecting, designing, developing mobile applications. Worked in SOA team designing and developing (**ESB**) integration services using **J2EE, BizTalk** and **WMB** Technology.

10 years of experience in **iOS Application Development**. Registered as individual iPhone developer in iPhone Developer Program. Total 5+ applications are developed and they are currently available in **App Store**.

EXPERIENCE

Enterprise Architect, MoneyGram PaymentSystems Ltd.	**Jan 2020 - Till date**
Consultant, Tata Consultancy Services Limited	**Aug 2005 - Dec 2019**

Around 10 years of working experience at client locations in Minnesota, USA.

EDUCATION

Institute of Technology, NIRMA University, Ahmedabad, INDIA.
Master of Technology, Electrical Engineering (Power Apparatus and Systems).
Gold Medalist.

Srikalahastheeswara Institute of Technology, Jawaharlal Nehru Technological University, Hyderabad, INDIA.
Bachelor of Technology, Electrical and Electronics Engineering.

SKILLS

Cloud Computing:	AWS (EC2, API Gateway, Lambda, RDS, DynamoDB, CloudFront, ACM, CloudWatch, CloudTrail, S3, SNS, SES, Route53, etc..), GCP & Terraform
AWS Services:	EC2, RDS, VPC, API GW, CloudFront, S3, Beanstalk, Lambda, etc.
Languages:	Java, C, C++, C#, XSLT, Visual Basic, Smalltalk, Objective C
J2EE technologies:	JSP, Servlets, EJB, JDBC, SOAP, WSDL, REST, SAX, DOM
MVC Frameworks:	Struts, Spring, Apache Wicket, Hibernate, MyBatis
JS Frameworks:	Angular 6, Angular JS, Vue JS
Mobile technologies:	iOS, Android app development
XML/HTML	HTML, XML, JAXB, SAX, DOM
Middleware	BizTalk 2006 and WMB 6 & 7
Tools/Utility	JMeter, JUnit, Jchav, JProbe, Jersey, axis, Ant, maven, log4j, ehcache, DisplayTag, iText, SOAP UI, Anthill, Hudson, Jenkins, Findbugs, PMD, Sonar Qube, Jira, Confluence etc.
IDE:	RAD, WSAD, WMB ToolKit 7, Eclipse, Visual Studio 2005, VisualAge for Java 3.5, VisualAge for Smalltalk 7, XCode
Application Servers:	IBM WebSphere, JBoss, Tomcat
Designing	Saepio 7
Protocols:	HTTP, HTTPS
Version Control Tools:	PVCS, CVS, Team Foundation Server 2005, Github, Bitbucket
Methodologies:	Agile, waterfall, OO Techniques
Database:	Oracle, PostgreSql, Mysql, MS SQL Server 2005, MS Access
Operating Systems:	Mac OS X - Snow Leopard/Leopard, Windows - XP

CERTIFICATIONS

AWS Certified Solutions Architect - Associate & Professional
AWS Certified Security Speciality
TOGAF 9 - Foundation & Certification.
IBM Certified Architectural Design of SOA Solutions
Sun Certified Developer for Java Web Services 1.4
Sun Certified Business Component Developer for the Java Platform, Enterprise Edition 1.3
Sun Certified Web Component Developer for the Java Platform, Enterprise Edition 1.4
Sun Certified Programmer for the Java Platform 1.4

ASSIGNMENTS

The details of the various assignments that I have handled are listed here, in chronological order.

#1. Cloud Transformation & Innovation Labs   **Nov 2016 - Till Date**

Client Name: MoneyGram International, Minnesota, USA
Position: Enterprise Architect

Responsibilities:
- Successfully designed and delivered secure cloud solutions for both new and migration from existing data center business critical workloads.
- Collaborated with key stakeholders and internal teams to define enterprise architecture principles, standards and guidelines, and blueprints.
- Design and execute proofs-of-concept for critical enterprise capabilities, including building business case with costs, benefits, and efficiency measures.
- Responsible for Application & Technology Architecture for Innovation labs at Moneygram International.
- Work closely with key stakeholders like Product Owner, Info Security, Privacy, Architecture teams to get alignment on the architecture strategy.

Project Description:

Cloud Transformation: This is part of MoneyGram initiated hybrid cloud transformation program, where both AWS and GCP are primarily used for Business critical workloads. Both new and existing workloads from data center are migrated to AWS and GCP cloud.

Innovation Labs: MoneyGram launched, Experience Center to offer customers a new and advanced money transfer experience. The Experience Center is also home to MoneyGram's first-ever Innovation Lab. It features new products still in development and allows customers to test services and technologies before they are introduced to the broader market. Technologies utilized in this program are like Cloud Computing, Artificial Intelligence, Machine Learning etc.

Environment & Tools:
Terraform, Visual Source Code, Git, Confluence, AWS Cloud and Google Cloud.

#2. AgentConnect Core Services   **Sep 2013 - Oct 2016**

Client Name: MoneyGram International, Minnesota, USA
Position: Application Architect

Responsibilities:
  • Working with Enterprise Architects and developing solutions for business requirements.
  • Technical and Application lead coordinating the team on quality deliverables.
  • Providing design for business requirements and technical guidance to development team.
  • Offshore & Onsite coordination on deliverables.
  • Deep analysis and providing solutions for code quality enhancement utilities and tools.

Project Description:
AgentConnect services are SOA services build on J2EE technology which provides core business services to point of sale applications. These are MoneyGram B2B services exposed for both internal and external point of sale applications. This project is to enhance the services on regular release cycles based on business requirements.

Environment & Tools:
Windows, Spring, Maven, SOAP, XML, JAXB, JUnit, J2EE & Oracle 11i.

#3. OrderPoint - New Consumer Website   **Sep 2011 - Aug 2013**

Client Name: Deluxe Corporation, Minnesota, USA
Position: Application Architect & Project Lead

Responsibilities:
  • Active participation within the team working in Agile model.
  • Providing solutions for business requirements and technical guidance to development team.
  • Involved in iteration planning, design, development and production implementation.
  • Reviewed and provided solutions for Web Application Security.
  • Review unit test plan prepared by developers and track system testing defects to closure.

Project Description:
OrderPoint is new consumer internet banking site for deluxe financial services. As part of this project new web application is designed and developed. Rich look and feel has been considered while designing this new web application and also Integrated with existing SOA web services for order management functionality. Responsive view has been designed to support both desktop and mobile version of screen resolution.

Environment & Tools:
Windows, IBM RAD, Spring, SOAP, XML, JAXB, JUnit, SONAR, J2EE & Oracle.

#4. SOA - Integration Services   **July 2009 - Aug 2011**

Client Name: Deluxe Corporation, Minnesota, USA
Position: SOA Technical Lead

Responsibilities:
- Discussion on requirement with onsite counterparts and business analyst.
- Understand and provide inputs for Design document to team members.
- Conduct design, code review meetings within team members and onsite counterparts.
- Integrate the code developed using J2EE, BizTalk and Message Broker technologies.
- Review unit test plan prepared by developers and track system testing defects to closure.
- Involved in production deployment planning and implementation.

Project Description:
Development and Maintenance of Enterprise Integrated Services using BizTalk, WMB and J2EE technologies. Services are designed and developed to integrate various front-end, back-end and internal systems. As part of this project, Enterprise Service Bus (ESB) was developed to provide various order services like, order history, order details, place order, price order, modify and cancel order. These services are utilized by multiple front-end order entry systems to integrate with multiple bank-end order storage and processing systems. New integrated services are designed and developed to remove redundant code logic running in multiple legacy systems which resulted in effective maintenance and cost reduction.

Environment & Tools:
Windows, IBM Mainframes, J2EE, C#, XML, XSLT, SOAP, WSDL, IBM RAD, Visual Studio 2005, BizTalk 2006, IBM WMB ToolKit 6.1, MS SQL Server 2005, Oracle 10g.

#5. OrderPro - DBA & CI Integration   **August 2005 - June 2009**

Client Name: Deluxe Corporation, Minnesota, USA
Position: J2EE & BizTalk Module Lead

Responsibilities:
- Active participation within the team working in Agile model.
- Involved in iteration planning, design, development and production deployment.
- Code development in J2EE components and BizTalk.
- Documented business processes and workflows.
- Prepare deployment checklist for the module.
- Involved in performance tuning in every iteration end during load testing phase.
- Provide status updates on the project tasks to the lead.

Project Description:
OrderPro website is developed using J2EE technologies like JSP, Servlet, Java Classes and EJB. Changes to all these components were required to build business products in the application. Microsoft product named BizTalk has been used to integrate OrderPro with BSINET for manufacturing business products.

OrderPro orders used to be stored in Mainframe system called ONE PLUS and from their these orders used to be moved to core order processing system which is - CI. Cost to maintain these legacy applications was huge. OrderPro - Direct to CI Project is targeted to send OrderPro orders direct to CI and eventually sunset mainframe application.

Environment & Tools:
Windows, IBM Mainframes, J2EE, C#, XML, XSLT, IBM RAD, Visual Studio 2005, BizTalk 2006, MS SQL Server 2005, Oracle 10g.

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