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O’Fallon, MO

Software Architect

Enterprise Holdings | Since April 2014

* Collaborated with a group of architects to develop architecture, standards and best practices for building new APIs
* Provided expertise to review APIs in technical governance meetings
* Collaborated with API office and Product team for requirement intake, Domain model update and review
* Developed next generation architecture for Big Data platform running Revenue Management applications
* Developed design for NoSql databases (HBase, DynamoDB)
* Tuned Apace Storm streaming pipeline for handling 2 billion messages/day
* Implemented AWS API Gateway, Kinesis and Apache Storm based streaming
* Participated in requirement gathering meetings with Business to develop an experimental after hour rental application
* Performed application demo to business during sprint reviews

Technologies: AWS (Gateway, Kinesis, Lambda, ECS), Hadoop (HBase, Hive, HDFS), Kafka, Solr, Java, Spring

Software Consultant

Lead IT | Oct 2011 – Apr 2014

* Stabilized complex Molecular Breeding application by adding extensive tests and refactoring to align with TDD approach
* Involved with transition to Agile methodology.
* Mavenized multiple Ant based builds and transitioned to GIT

Technologies: Java, Spring, Hibernate, Oracle, Cruise Control, WebLogic and Tomcat

WORK EXPERIENCE

* Designed high volume streaming application architecture using AWS SAS and PAS offerings in combination with existing Hadoop infrastructure.
* Designed architecture for a new rate management process to layer modern application over legacy database. While this will generate additional six million dollars in revenue, it also moved the ball forward in modernizing legacy applications
* Provided innovative solutions for a new API governance process by breaking down problems systematically and drawing logical conclusions

KEY ACHIEVEMENTS

Innovative leader with proven success in pioneering new technologies and processes to fulfill business objectives, improve quality, and reduce operational costs. Extensive experience with continuous design, development, and testing lifecycle for greenfield and legacy applications

PROFILE

Jose Varghese



Service Oriented Architecture

Lambda Architecture

Microservices

Open API

Data Modeling

Cloud Computing (AWS)

Web Technologies

Apache Hadoop

Spring Framework

Java/Python/Scala

Maven/Jenkins

CERTIFICATIONS

AWS Certified Solutions Architect

AWS | Saint Louis | 2018

Software Architect/ Technology Leader

TECH-SKILLS

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Agile Methodology training | Asynchrony Labs

Saint Louis | 2012

Apache Hadoop training | Hortonworks

Saint Louis | 2016

AWS Immersion trainings | AWS

Saint Louis | 2016 - 2019

PROFESSIONAL DEVELOPMENT

Lead Software Engineer

Enterprise Holdings | Sept 2005 – Oct 2011

* Lead multiple teams to develop following applications
  + A payment reconciling application.
  + Loss control and Vehicle Repair application
* My activities included participating in requirement gathering with business, prototype development, application and database design, development, co de review, provide input for project plan and rollout plan, production rollout, production support.
* Developed new SOAP based web services
* Technologies: Struts-2, Spring-3, Hibernate-3, Ant, SOAP, Oracle-11 and Weblogic-10

Senior Systems Analyst

Polaris Software Labs | Feb 2000 - Sept 2005

* Lead a team of engineers to design and develop a Financial Needs Analysis Tool and a Credit Decisioning engine.
* Coordinated deployment and support at client location.
* Technologies: Servlets, JSP, Struts, EJB, WebSphere, Oracle9i, FileNet Image Storage, Fax gateway and AIX

Systems Executive

SRA Systems | Nov 1997 - Jan 2000

* Developed a web based electronic banking application using Java servlets to

interface with CICS applications on Mainframes.

* Performed impact analysis and code fix on Cobol, PL/I and REXX programs to address Y2K issues.
* Technologies: Servlets, WebSphere, CICS, DB2, JCL, Cobol, PL/I

Enterprise Architecture

Information Security

Cloud Infrastructure

Open Source Software Management

CI/CD practices

Technology Evaluation

Vendor Engagements

IT Governance

Budgeting and Planning

Product vision and Roadmaps

Recruit/Develop/Retain

EDUCATION

Bachelor’s Of Engineering

Karnataka University

India 1992-1996

Photography

LANGUAGES

INTERESTS

Programming

Travel

Cooking

Music

SPECIALITIES

Software Architect/ Technology Leader

English | Fluent

Hindi | Fluent

Spanish | Beginner

Cycling

WORK EXPERIENCE CONTINUED

Jose Varghese