

Karthik Venkataraman

Phone: **074225-05338**

E-mail: karthikvenkatraman@gmail.com

Linkedin: <https://www.linkedin.com/in/karthik-v-venkataraman-47842915>



Am looking to leverage my practical knowledge, passion and commitment to influence, innovate and be part of a successful Solution Delivery for the Organization, where I can constantly learn and implement new technologies and solutions that will mutually benefit both the Organization and my career. My career spans various roles starting from core development & implementation of solutions to presales and more recently a successful affair with Amazon Web Services where I have been utilizing the various AWS Products and Services to drive DevOps in the organization especially contributing to Automation of Application Releases.

PROFESSIONAL ABSTRACT

- AWS / DevOps Engineer with in-depth knowledge of Application Development, Deployment, Automation, Infrastructure as Code principles, AWS Security & Governance.
- Expertise in Setup and maintenance of Continuous Integration Platform (Jenkins), Software Configuration Management (Git), Artifact Management (Nexus & Artifactory) & XLRRelease for Large Enterprises
- Worked extensively in Cloud Security, Governance & Controls with a passion for cost optimization of Cloud Resources.
- Expertise in AWS IAM Identity & Resource Policies (CloudCustodian), Data Security
- Solid experience in AWS services like S3, Lambda, Cloudwatch, RDS, DynamoDB, StepFunctions, Athena, CloudTrail, Cloudformation, EC2
- Thorough understanding of AWS VPC, NACLs, Route Tables & SGs
- Experience in Python, Groovy, JavaScript, PowerShell, Terraform, Postman, REST APIs, Docker
- Passion for OpenSource, Innovation, Automation of repeatable tasks & a thirst to learn new technologies
- Experienced Java / J2EE programmer with experience in Product Development using Struts, JSP, Servlets, EJB, Hibernate, PostgreSQL, Oracle, ExtJS, Maven, JBoss, Apache Tomcat, Linux
- Consistent Performer, Team player & Great communicator with a self-driven passion for excellence
- Hands-on experience in Windows Powershell Scripting
- Strong RDBMS knowledge (PostgreSQL and Oracle)

CERTIFICATIONS & ACHIEVEMENTS

- Champion of the Year 2020 (Cognizant / CapitalOne)
- ITIL V3 Foundation Certified
- Introduction to Oracle9i : SQL
- Sun Certified Programmer for Java 2 Platform
- Sun Certified Business Component Developer
- 'Best Tool & Performer' Award of the year from TCS Tools Group.
- Employer Training Program - Batch Topper

TECHNICAL SKILLS

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| AWS | IAM, S3, EC2, RDS, Lambda, Cloudtrail, Cloudwatch, Cloudformation, DynamoDB, Stepfunctions |
| Languages | Python, Java, J2EE , Windows Powershell, JDBC, PL/SQL, XML, HTML |
| Web Technologies | Servlets, JSP, HTML/CSS, Java Script |
| Framework | Struts, Hibernate |
| Application/Web Servers | JBoss, Tomcat |
| Operating System | Windows ,Linux |
| Database & Access Tools | PostgreSQL, Oracle, DynamoDB |
| IDE | IntelliJ, Eclipse |
| Build Tool | Maven |
| Version Control | Git, |
| Project Management | Jira |
| Other Tools | Terraform, Docker, Packer, Vault, ServiceNow, Jenkins, Artifactory, Postman, Nexus, Jira, Confluence, Xebia Labs Release, Logzio, DataDog, Slack |

ORGANIZATIONAL EXPERIENCE

Leading Credit Card Provider, Nottingham, UK (August 2018 – Till date)

Role: CloudOps / Process Improvement Engineer

Enterprise Cloud Process Improvement solutions for AWS Services like RDS, EC2, IAM, S3 and Infrastructure Provisioning pipelines providing a service based approach to various delivery teams across UK.

Designed and Implemented solution using AWS Lambda, RDS, DynamoDB, Hashicorp Vault & Logz.io to deliver standardized patterns for project teams to request & operate AWS services and ensure that the provisioned resources strictly meet the enterprise regulatory and security norms.

- Responsible for management of multiple AWS accounts / engineering / governance & control of AWS workloads.
- Design / Develop centralized frameworks & tools for various services like IAM, S3, Lambda, RDS, DynamoDB, Cloudfront, WAF, etc.
- Authored Governance policies for AWS workloads using Cloud Custodian thus optimizing running cost of AWS resources & ensuring strictly compliant resources.
- Was awarded the Champion of the Year 2020, for delivering the AWS IAM pipeline & S3 Replication Monitoring Solution & other bespoke solutions not readily available via AWS Services

Aviva Insurance, Norwich, United Kingdom (Jan 2015-June 2018)**Role : Release Automation Engineer****Project : UK General Insurance Solutions Delivery**

Aviva Insurance, had to switch from a Quarterly Release Calendar to a Monthly Release Calendar, there by enabling projects in the organization to deliver more often. This was a challenge since more frequent releases meant more work for the Release Management team, who were operating mostly manually. Hence a Release Process Management / Automation tool was trialed and implemented thereby enabling the Release Managers to effectively organize, track and execute monthly releases. As part of this all manual and time consuming processes had to be eliminated or automated to facilitate agile deliveries.

- Responsible for understanding the existing Release Process & Application Model and setup the same in the Release Process Automation Tool
- Integrate the End to End delivery life cycle involving various class of tools ranging from Project Tracking Tool (Jira), Code Version Control (Stash), Continuous Integration (Jenkins), Deployment Automation (BladeLogic Server Automation), Release Process Automation (Xebialabs Release), Service Management Tool(Axios Assyst) and Cloud Platform (AWS EC2) using REST APIs and custom Integrations
- Managing a support team of 5 engineers, worked with various Application teams to understand their release process / technology (.NET & Java) and model appropriate automation workflow
- Automated the creation of Deployment Reports thereby helping the Project Team (Dev) and Release Team (Ops) to be able to easily get the Deployment Status of Various applications across different environments.
- Enabled the environment teams to setup / deliver their environments just in time as part of the Release Process Automation, by utilizing the AWS EC2 infrastructure
- Showcase Management Insight into the Release Process and arrival of cost benefit

Aviva Insurance, Norwich, United Kingdom (March 2013-Dec 2014)**Role : SCM / CI Manager****Project : UK General Insurance Solutions Delivery**

The UKGI Solutions Delivery is responsible for delivering all the encompassing applications & projects as per the Release Schedule. The key focus is on Continuous Delivery, enabling all the participating applications to reduce their time to market and facilitate on demand deliveries. This includes assisting the projects in their Software Configuration Management, Build Management, Continuous Integration and deployments. The UKGI Solutions Delivery also works closely with Aviva's Software Engineering Practice to implement all best practices and tools across projects and facilitate them to move up the Software Engineering Maturity levels in alignment with Organization's agile strategy .

- Responsible for the Setup, Maintenance, Support and Scaling of the complete SCM and CI Ecosystems.
- Work closely with various projects and technologies and help them to utilize the recommended tools and practices.
- Understand the various Tool Interfaces and enable integration of tools in the estate like Jira, Stash, Confluence, Bladelogic, Nexus, SonarQube and Nuget with the Continuous Integration Tool (Jenkins).
- Work with projects to facilitate Parallel Agile development by strategizing the required Workflow and Branching models in Git / Stash.
- Understand Project's need and provision environments / infrastructure for Build and Packaging
- Interfaced Jenkins with the Deployment Automation Tool Bladelogic to enable seamless deployments of applications to higher environments
- Enabled Projects to migrate from legacy Version Control Systems like PVCS and SVN to Git
- Trained projects to effectively utilize the various tools in the estate
- Worked on setting up environments for build and deployment, in Amazon EC2.

- Experience in multi vendor scenario, effectively overcoming the natural resistance and challenge for change and liaising between stakeholders to achieve targets

Environment:

Java, Jenkins, Git / Stash, PVCS, SVN, Gitolite, Jira, Confluence, Maven, SonarQube, Windows Powershell, Nexus, AWS EC2, Windows, Linux, Rest APIs.

Tata Consultancy Services, Peterborough, UK (July 2011 - Dec 2012)

Role : PreSales & Solutions Consultant

Project : TCS Tools Group

Act as a liaison between different accounts in UK & Europe geography and various TCS Tools development team to help projects utilize and benefit from the usage of TCS Tools for various SDLC areas like Application Development & Maintenance, Test Management, Data Management, Workflow & Reporting. The role involves understanding projects requirement and pain points in key areas of Service Delivery and helping them to choose the right set of tools, carry out Proof of Concept, deploy the selected tools and help in effective usage and benefit realization.

- Connected with various accounts in UK to promote the usage of TCS Tools and realize cost and productivity benefits.
- Help project to compare and decide between Open source, other commercial and TCS tools.
- Work closely with the Bid Teams to provide Tool based solution for RFPs
- Manage existing projects and connect them with the Tools teams to ensure effective usage of Tools
- Have added significant revenue to the Tools Group by influencing Licensing Sale of Tools to various accounts
- Improved the reach of TCS Tools and adoption in the Europe Geography.
- Maintain a healthy deal pipeline for TCS Tools

Tata Consultancy Services (India & UK) (January 2010 – June 2011)

Role : Product Manager

Project : TCS Workflow Manager

TCS Workflow Manager is a home grown workflow management solution to model and execute business processes. The product is a pluggable component that any enterprise application can utilize to manage its process requirements. It is a complete J2EE based configurable workflow solution with well defined interfaces and flexible open design to realize any human and system workflow needs. This was mainly developed to help various projects in the organization to move out of complex and costly process management tools.

- Managed the complete product delivery and road map for the tool right from design to deployments
- Application Modeling using RSA and code generation using AndroMDA
- Definition of APIs to enable external applications to interface seamlessly
- Exposed key services as WebServices using Apache Axis framework
- Design of Data Model, Exception handling, Logging Framework
- Enforcement of Workflow patterns standardized by WfMC into the tool
- Deployment for TCS Workflow manager for various key accounts like SBI, Amex, BT
- Experience in Application Security Clearance by fixing issues reported by HP Fortify Tool
- Experience in Sizing Hardware based on Client's Non Functional Requirements
- Code Standard review using Checkstyle
- Won the best Product Award in TCS

- Managed a team of 4 skilled developer

Environment:

Java, J2EE, JBoss, Hibernate, Apache Velocity, Struts, PostgreSQL, Oracle, AndroMDA, EJB, ExtJS , Checkstyle, Maven, Toad. Servlets, JSP, Extjs

American Express (July 2010 – September 2010)

Role : TCS Workflow Solution Manager

Project : AFC (Apply for Card)

American Express Corporate Credit Card application system enables employees of various companies to apply and obtain a credit card. The process involves the end users submitting a request via an online portal, after which depending on the Geography, the process would go through various business and legal approvals and finally the card dispatch. The system involved integrating with various other legacy applications within AMEX to understand the rules, read card information, manage necessary legal approvals, printing and dispatch the card. The application was envisaged for multiple geographies and initially rolled out for Australia and India.

- Requirement Gathered directly from various departments
- Understood Geography specific variations and modeled them into the Workflow Manager tool
- Converted the EJB's to POJOs since client's technology standards restricted EJB usage
- Configured business rules as part of the overall solution
- Integrated the rules with Workflow Manager tool
- Designed custom interfaces for the external downstream systems to interact with Workflow Manager
- Custom Reports built out of Workflow Manager for Management Reporting

Environment :

Java, Hibernate, Struts, XML, Oracle

TCS Tools Group (June 2007 – December 2009)

Role : Product Engineer / Deployment Lead

TCS Tools group is an internal group with in TCS, developing reusable software components and Tools across various areas like Application Development, Analysis & Intelligence, Support, Service Delivery & Transition, Testing & Data Management, Reporting, etc... As part of the role, responsible for understanding and deploying these tools for various key engagements within TCS. This involves understanding the existing system and requirements, configuring the tools to fit in the target environment and customizations on existing tools to bridge gaps .

- Designed core modules of key tools like TCS Workflow Manager, TCS SmartTest Manager & Evolution Workbench
- Deployed TCS Workflow Manager tool as a replacement to WPS for the State Bank of India Account
- Developed and deployed TCS SmartTest Manager – an in-house test management software, for large projects by migrating their test data from HPQC to TCS SmartTest Manager
- Was awarded the “Best Product Lead” for TCS Workflow Manager
- Coding Standard
- Performance Tuning of the Applications using tools like JProbe and Jensor
- Database Query Optimization
- Technical and End User Documentation Generation of the various Tools
- Performance Testing with JMeter

- Delivered deployment guide and deployment diagrams for production release
- Test Cases Preparation and Documentation for the various tools

Environment :

Java, J2EE, JBoss, Hibernate, Apache Velocity, Struts, XML, PostgreSQL, Oracle, AndroMDA, EJB, SVN, JMeter

Tata Consultancy Services (September 2005 – May 2007)

Role : Developer

Project: Mighty Solutions Platform

Mighty was the internal reusable Tools repository for the organization, which collected and hosted reusable software components developed across various projects within the organization. The Mighty Platform served as the one stop shop where projects can search for reusable components and contribute to the asset base. The platform managed a multitude of activities from asset creation, governance, approvals, usage tracking, metadata capture, asset search & harvesting and management reporting on reuse. The portal was completely built on J2EE stack with open source components.

- Developed the Asset Download Enrollment, Asset Approval, Asset Ranking Algorithm and Asset Certification modules as per the design provided
- Implemented all services using EJBs.
- Developed Custom JSTL Tags
- Utilized Struts Validation Framework to handle Data Input and Validation Errors
- Responsible for testing the application functionality on the UAT environment and promoting the build to the Production environment
- Adherence to Project Coding Standards
- Preparation of test cases to ensure the correctness of the application functionality
- Setup of Load balancing with Apache Mod JK
- Creation and Maintenance of Stored Procedures to synch up data to and from the Organization's enterprise system (Ultimatix)

Environment :

Java, J2EE, JBoss, Hibernate, Apache Velocity, Struts, XML, PostgreSQL, Oracle, AndroMDA, EJB, SVN, JMeter

EDUCATION

Master of Science in Software Engineering from Coimbatore Institute of Technology (Bharathiar University), Coimbatore, India
(An Integrated 5 year Course) with Distinction