Dharmendra singh

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Professional Summary

* Seasoned **Solution/Application Architect** with a strong background in microservices architecture, delivering robust IT solutions for enterprises of various scales.
* 18+ years of expertise in crafting, designing, and implementing IT solutions tailored for the Telecom and Pay TV (IPTV, OTT) industries.
* Proficient in analyzing and optimizing business processes through the adoption of emerging technologies in microservices/cloud computing, DevOps, Continuous Delivery, and containerization (Docker/Kubernetes)
* Skilled in developing business-centric microservices using Spring Cloud and Node.js to enhance operational efficiency.
* Experienced in **leading digital transformation** initiatives and architecting the cloud migration of legacy applications to modern infrastructure.
* Adept in design a Possess advanced technical knowledge and a keen business acumen, complemented by strong project management capabilities. Exceptional at problem-solving and communication, with a comprehensive understanding of SDLC, TOGAF, and ITIL v3 frameworks and the development of Microservices using Spring Cloud and Node JS.
* Adept in digital transformation and designing and architecting cloud migration of inhouse applications.
* Expert in designing and developing and implementing web service-based integration, in-depth hands-on SOAP and Restful Services**.**
* Expert in building REST API and used swagger documentation.
* Sound experience in development Tools & Environments: Kubernetes, Docker, Perforce, Elasticsearch, Splunk, Bitbucket, GitHub, Jenkins, Maven, Sonar, Splunk, JMeter performance testing, SoapUI, Junit Automations.
* Adept in using and deploying applications on Azure and AWS cloud platforms.
* Adept in using Apache Kafka for event driven and data centric microservices.
* Worked with agile teams and practiced agile and waterfall methodology for developments.
* Domain experience in Telecom or retail.
* Enthusiast GenAI advocate.
* Enjoy leading teams to deliver end-to-end solutions to customers. A quick learner and excellent team player with a can-do attitude

Technical Skills

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| --- | --- |
| Operating Systems | Red Hat Enterprise Linux 5.x/6.x/7.x, Solaris 9.x/10.x/11.x, Windows, HP-Unix |
| Programming Languages | C, C++, Java, Maven/Gradle J2EE, Node Js, JavaScript, Spring, Spring Boot, Spring Cloud, Selenium, Rest Assured, Jersey |
| Scripting Languages | Unix Shell Scripting, Python, Perl |
| Databases | Oracle 10g/11g/12c, MY SQL, Mongo DB, Cassandra, Dynamo DB |
| Web Technology | HTML, CSS, JavaScript, Angular, React, Vue, jQuery, etc |
| Automation/Monitoring | ANT, MAVEN, Jenkins, Docker, Ansible, Kubernetes, Vagrant, |
| Tools | Subversion (SVN), GIT, HP QC, Rally, Microsoft Visio, Eclipse, JIRA, MFT, GitHub |
| Cloud Services | AWS, GCP, EC2, S3, Cloud Front, Vultr, Lambda, API Gateway, VPC, DynamoDB |
| Other | Kafka, RabbitMQ, PCF, Splunk, SOAP/REST, Postman, Amdocs CES, Oracle BRM, SOA, Design Pattern, EAT, Agile |

CERTIFICATIONS

1. **TOGAF 9 Certified Architect.**
2. ITIL v3

ACHIEVEMENTS HIGHLIGHT

* Helped T-Mobile to modernize the technology stack on Spring Based Microservices.
* Coached DevOps and Microservices implementation strategy of Monolith decoupling for T-Mobile US and other Amdocs Clients.
* Successfully led the BSS transformation from Amdocs 5.5 to Amdocs 7.5 and Amdocs 7.5 to Amdocs 9,2 (CRM/Invoicing/Ordering) with process improvement resulting in $30 mil every year.
* Played an instrumental role in successful rolling out Astro OTT services (Linear and VOD) on AWS cloud (EC2, S3, R53, Elastic Transcoder, etc.).
* Successfully led IPTV Design and Development activities for Astro including cross-enterprise interfaces.
* Designed and developed a Multi-Channel Self Care portal for Astro (Node JS/Angular), delivering a DMP platform project resulting in significant business value.
* Successfully developed and migrated O2A/Management Dashboard projects for MBSN/AMH on AWS (EC2, ELB, R53, RDS, Node JS, Angular, MongoDB).

WORK SUMMARY

# Solution Director at Waaw Canada (StartUp)

 Mississauga, Canada ▪ Oct 2023 to till date.

* E2E Solution architecture and App development for in all application suite for small and medium business
* Guided team to integrate applications with Open AI (GenAI) for automated JD and Profile creation.
* Managed Development and DevOps teams and provided leadership.
* Implemented Azure stack for applications and deployments.

*Technologies: Azure, Java, Maven, Spring, Spring Boot, Cloud/Kafka, MYSQL, SOAP/XML, REST/GI, DevOps Tools, Git/Jenkins/ Open AI.*

# DevOps at AirCanada Toronto.

Mississauga, Canada ▪ Jan 2021 to Oct 2023

* Build and configure a Vir hosting includes the Amazon Web Services (AWS) cloud to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC), Security Groups, Route Tables, and Elastic Load Balancer.
* Day-to-day job included but was not limited to handling Tickets, Monitoring, Troubleshooting, and maintenance.
* Handled complex AWS infrastructure and provide extensive support to 41+ dev teams
* Involved in DevOps migration/automation processes for build and deploying systems.
* Implemented the Build automation process for all the assigned projects.
* Assisted end-to-end release process from the planning of release content to actual release deployment to production.
* Monitored the UAT/Production Environments for any downtime issues by performing regular maintenance activities on servers.
* Made recommendations and developed technical design for new applications to be put AWS RDS Proxy Endpoints for applications hosted by multiple VPC’s
* Lead AWS Cost Optimization project
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Experience with Managed environments DEV, QA, UAT, and PROD for various releases and designed instance strategies.
* Involved in designing and deploying a multitude of applications utilizing almost all the AWS stack (Including EC2, Lambda, Route53, S3, ELB, RDS, Dynamo DB, SNS, SQS, IAM, Cloudformation) focusing on high availability, fault tolerance, and auto-scaling in terraform.

# DIGITAL ADVOCATE/BSA at Amdocs Canada.

Mississauga, Canada ▪ Jan 2017 to Jan 2021

Leading Digital Advocacy Team, Digital Advocacy is a rapid solution team reporting to North America Solutions Architecture Group, I have been involved in the following work/projects

* Led digital innovation team for all North American customers. Develop quick prototype based on cutting-edge technologies. Present digital strategy and product road map with customers.
* Designed & Developed and maintained Microservices for T-Mobile based on Spring Cloud.
* Helped to come up with operational challenges and data consistency with a system of record and microservices.
* Deployed services on PCF, well versed with CLI tools, developed Splunk dashboard for operation alerts on MS.
* Coach Team across T-Mobile & Sprint for micro-services implementations on Spring Stack (Netflix OSS/Kafka) and DevOps Tools (Git/Jenkins/Docker/Kubernetes/Ansible).
* Infrastructure as Code - Automation of AWS infrastructure via Ansible and Jenkins - software and services configuration using Ansible Playbooks.
* Designed, Built and configured Virtual Data Centre in AWS Cloud to support Enterprise Data Warehouse hosting using VPC (Public/Private Subnets, Security Groups, NACL, ELB, Route Tables).
* Expert in quick prototyping for digital solutions based on the latest technology set integrates with any Technology Stack (Ensemble/Enabler).
* An active member in the TM Forums OpenAPI group developed reference implementation and CTK (Client Testing Kits) for Agreement API.
* Developed Cognitive Chatbot for Amdocs Catalyst Project for TM forum submit and MWC.

*Technologies: Amdocs Enabler 7.5.2 (CRM/Invoicing/Ordering/Collection/AR) / CES 9.2, Oracle 9i/10g, Node JS (Express/Restify)/, Angular, AWS, Java, Maven, Spring, Spring Boot, NetflixOSS/Spring Cloud/Kafka, MYSQL, SOAP/XML, REST/GI, Devops Tools, Git/Jenkins/Docker/Kubernetes/Ansible.*

# SENIOR SOLUTION ARCHITECT AT CENTURYLINK (Collabera).

Mississauga, Canada ▪ Aug 2016 to Jan 2017

Part of LION Project and have been involved in following work/projects

* Design and develop new solutions based on Concept Wave Ordering.
* Enhance and optimize the existing solutions.
* Provide solution outline for the CR and develop quick components using Java/Spring Stack.
* Mentor new teams members and provide the technical leadership.

*Technologies: Concept Wave, Oracle 9i/10g, Node JS (Express/Restify)/, Java Script, Java, Spring, Maven, Angular JS, REST/GIT*

# ENTERPRISE ARCHITECT at Astro/RPI

Kuala Lumpur, Malaysia ▪ Nov 2010 to Aug 2016

**Part of the Design and Architecture team was responsible for following**

* Analyze Astro’s system/business portfolio and manage/update the architectural roadmap. Understand standard and socialize and enforce them to all architecture and solutions.
* Take lead architecture role in custom OSS/BSS suite (planning, engineering, project execution, etc.)
* Cross-functional team and Multi-vendor, co-ordination/management (clients, program managers and IT team).
* Translate business requirements into detailed architectures and designs.
* Document all technical requirements and design technical solutions utilizing enterprise architecture standards including documenting all solution components and configurations
* Business process development/re-engineering for efficient workflow
* Implement architectural designs while building solid relationships with stakeholders at all levels
* Work with Cloud and Platform team to design and migrate in house services to AWS cloud.
* Work with multiple of vendors for POCs on new concept and technologies for Astro.

*Technologies: Amdocs Enabler 7.5.2 (CRM/Invoicing/Ordering/Collection/AR) / CES 9.2, WFM, Oracle 9i/10g, PL/SQL, Node JS/, Angular, AWS, Java, Maven, Spring, Selenium, MongoDB, SOAP/XML, REST/ Data Warehouse/GIT*

**SR SOLUTION ARCHITECT** **AT TECHMAHINDRA**

Kuala Lumpur, Malaysia ▪ Sep 2009 to Nov 2010

**Part of Onsite Design and Program team was responsible for following**

* Did Requirement gathering workshop with the customer, created compressive requirement document (CRD) and got customer acceptance on the CRD.
* Translated functional requirements into technical and process designs identifying nonfunctional aspects and led the design of solutions. Carried out project-scoping with CISCO and SAMSUNG and SAP teams to established integration with BSS and OSS system.
* Design and development of interfaces and OBRM opcodes. Establish SPL and other operational readiness documents for operational handover.
* Did customer presentation of design and got client acceptance on project artifacts such as CRD, Design Document, Test Plan, and Test Results.

*Technologies: Oracle BRM 7.3.1, C/C++, Java, Maven Oracle 10g, Unix Scripting, SOAP / Rest Web Services.*

**SENIOR ARCHITECT** **at Oracle**

Hyderabad, India ▪ Feb 2008 to Sep 2009

* Managed project teams and created detailed design and interface document with overall accountability of Oracle BRM modules and implementation of pipelines. Effectively delivered multiple Change Requests for multiple clients on time
* Trained and mentored new resources on Oracle BRM; ensured that their competencies were in line with the needs of the organization and project
* Worked closely with onshore teams to map business requirements, create requirement document, develop custom codes for project implementation, and manage customization layers for projects
* Developed CRM integration and other modules for Millicom project in C and Java.

*Technologies: Oracle BRM 7.3.1 / C/C++ / Java / Unix Scripting/Oracle Database 9.i.*

**INTEGRATION ARCHITECT AT CONVERGYS**

Hyderabad, India ▪ Mar 2007 to Feb 2008

**SENIOR SUBJECT MATTER EXPERT** **at Amdocs**

Pune, India ▪ Feb 2006 to Mar 2007

**SOFTWARE ENGINEER/DEVELOPER** **at Phoenixgen Systems**

Pune, India ▪ Jan 2003 to Feb 2006