SAWMYA. S

Principal Software Engineer, Dell Technologies

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Over 12 years of professional experience as **Developer (Polyglot)** in analysis, design, development, implementation and troubleshooting various **cloud native** **web-based applications.** Currently leading a 5 member team to develop the gen next version of Dell renewals pipeline (event driven architecture).

SKILLS

Experience in:

* API development using Spring Boot, ASP.net core.
* reactive API development using Spring Reactive Webflux.
* application development using Java and Java EE technologies including web services.
* Working experience with UI frameworks like Angular4.
* software testing, build, deployment and continuous integration practices.
* managing project rollouts, including ones that involve major framework changes.
* Development, Implementation, E2E testing, Support facets of SDLC.
* Providing technical leadership to teammates through coaching and mentorship.

TECHNICAL SKILLS

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| --- | --- |
| **Programming Languages** | Java 8, JavaScript, HTML, CSS, SQL, PL/SQL, C#, C, Python, XML, YML, Shell script, Type script |
| **Technologies** | Spring 5.x, Spring Boot, Spring Cloud Stream, Hibernate, Bootstrap, Ajax, JSON, Servlet, JSP, ASP.Net core |
| **Web & Application Server** | Tomcat, Netty, IIS, WAS, Weblogic |
| **Databases** | Mongo DB, Cassandra, Redis, Neo4j Oracle 11g /12c, MySQL |
| **Messaging Queues** | RabbitMQ,Kafka |
| **Cache** | Redis, Gemfire |
| **Tools** | STS, GIT, Gitlab, Maven, Jenkins, Sonar, Eclipse, SOAPUI, POSTMAN, EclEmma, Cobertura, Jacoco, IntelliJ, Fortify,BlackDuck  FDM for Finacle installation, APDM for patch application,  TOAD, SQLYog, Robo3T, MongoDB Compass, Robo3T, Eclipse for CI tool, Cygwin for invoking apps from Unix machine. |

WORK EXPERIENCE

* **Dell Technologies *(2018 to present)***

1. **APOS:** Building V4 version of Dells after sales product info. The tech stack includes spring boot based microservices that leverages Rabbit MQ & Mongo DB for its functioning.
2. **Product Lens/OrderCode Intake:** An event processing live data feeding pipeline for Dell product changes. Was part of designing, implementing & delivering the product that feeds events to various POS application in dell.
3. **Tools Team**: Lead the development of Microservice based web application using Spring boot & ASP.NET core. Tools developed involves: *Feature toggling tool, Real time application monitoring and alerting tool* for applications in Dell commerce platform.
4. **DSA &CAM:** Worked on microservice development & Spring Cloud Data Flow using ASP.NET core for Dell sales application & Dell Customer master data maintenance, training team members on pivotal methodology of software development.
5. Training team members on pivotal methodology of software development & enabling the team to follow practices of TDD, Pair programming and incorporating CICD best practices to completely automate production rollout.

* **Infosys *(2009 to 2018)***

**T-Mobile**: Microservice development using Spring boot for

1. B2B apps like SIM Swap api caching, MYSQL DB with 3rd party calls to SOAP/REST services & applications hosted on PCF).
2. Payment service that would handle all card payments (Physical and virtual). (GemFire caching, Cassandra DB integration and Rabbit MQ)

**LGI:** Platform improvement solutions for multiple countries for UPC broadband (LGI).

1. ***Hystrix:*** Implementation of fault tolerant distributed network with configurable fallback options. Integration of Hystrix code into the existing services of client, also sphere headed the rollout procedure (management) for multiple counties.
2. ***911:*** A permanent solution to frequent network failures on setup box login due to delayed response from 3rd party application.
3. ***Hot Deployment:*** Developed a POC based on R&D done on the possibilities of making this concept available in WebLogic 12.2.1 version for the existing applications of client. The idea was accepted by client and is implemented in 2017 Q2 &Q3.

**Finacle (Infosys):**

**Implementation:**

1. Performance tuning activity of Configuration Interface: It involved replacing the DOM parser that the application was using for XML bulk upload to SAX parser to avoid memory leaks when files of large size were uploaded.
2. Java code porting from JDK1.4 to 1.6
3. Finacle installation for 10.3 .03, 7.0.14 versions.
4. Taken ownership of all environment related issues in 10x ,9x and 7x versions within the MODEL bank, DFS, CAPG and NCBJ servers
5. Dealt with version migration from 10.3.03 to 10.3.05 for ZION bank
6. Configuration controller of offshore Finacle server instances.
7. BPD process for DFS bank, US.

**Support:**

1. Assigned to support project for NCBJ (7.0.14), CALED (7.0.4), CAPG (9.2.0.2) & BCOL (10.2.09,10.2.07,10.4.02) banks
2. Work experience on modules like loans (corporate & retail), Liabilities, banks general operation, EOD/BOD, Payment Systems etc.

Education

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| --- | --- | --- | --- |
| Degree/Examination | Institution/School | Year | Percentage/CGPA |
| MTech (Software Systems) | BITS, Pilani | 2014 | 9.06(CGPA) |
| BTech (Computer Science) | Government Engineering College, Trivandrum | 2009 | 7.29(CGPA) |
| 12th Std | Cotton Hill GHSS, Trivandrum | 2005 | 83 |
| 10th Std | Holy Angels Convent,  Trivandrum | 2003 | 86.8 |

ADDITIONAL ACHIEVEMENTS

* Received recognition for training managers on end-to-end web app development as part of Dell’s endeavor to bridge gap between development and management world in 2019.
* Inspire award for dedicated effort in product transformation journey for Dell in 2018.
* MVP award for the outstanding contribution made to project in 2016(Development &Management)
* Best team award for the achievements brought in a single quarter in 2016(Development &Management)
* ‘On the Spot’ award for the FY-2015(Support)
* Finacle GEM award for the FY-2012(Implementation)
* Was part of different CSR activities organised at DC level.