

# Bala Subrahmanyam Puli

201-888-1979

Principal Architect (Cloud compute, Full Stack Engineer)

[bpuli.info@gmail.com](mailto:bpuli.info@gmail.com)

Work Authorization: EAD (GC)

□ Ashburn, VA

## Career Objective and Technology Summary

- *Experienced Full stack engineer with over 12 years of Software development experience. Bala comes with an acumen to learn, see the “bigger” picture and is a 100% hands on when it comes to Web services, Micro Services and Server side development using Java/JavaEE and related technologies and User interfaces using Angular and HTML5.*
- *Full stack developer with agility to move quickly and adapt to change.*
- *Expertise in developing cloud native java applications.*
- *Design and develop applications with TDD (Test Driven Development) and BDD (Behavior Driven Development).*
- *Expertise in designing and developing micro services with Spring Boot, Spring Cloud and Netflix OSS.*
- *Experience in developing applications which are responsive, resilient, elastic and message driven reactive system with RxJava.*
- *Designing and developing applications in functional programming style with Java 8. Expertise in using lambdas and streams.*
- *Expertise in designing and developing REST API that separate your API into logical resources.*
- *Solid experience with and understanding of AWS.*
- *Expertise in designing and developing message driven and asynchronous applications using IBM MQ, ActiveMQ and RabbitMQ.*
- *Good experience in containerizing applications using Docker.*
- *Good experience in building User interfaces using AngularJS 1.x/2.x, Node.js, GULP, jQuery, JavaScript, TypeScript, JSF, Struts, Spring MVC, HTML5 and CSS.*
- *Expertise in developing persistence layer using Hibernate, Spring JDBC and JDBC.*
- *Good experience with noSql document stores MongoDB, Cassandra, CouchBase and MarkLogic.*
- *Good experience with Relational Database Oracle (12c, 11G,10G), SQL Server and MySql Server.*



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- Worked extensively with application servers like IBM WebSphere, Weblogic, JBOSS EAP and web servers Tomcat and Jetty.
- Good experience with Spring modules IoC, AOP, Batch, ORM, Security, MVC and JDBC.
- Good experience with automation of testing and deployment using CI/CD(Continuous Integration/ Continuous Deployment).

## GitHub

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<https://github.com/coderbala>

## Education

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Master of Computer Applications.

## Certifications

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M101J: Mongo DB for Java Developers

## Projects

### Educational Testing Service

June 2012 - Current

Princeton, NJ

- Migration of existing to micro services architecture using Spring Boot and Netflix OSS.
  - Developed Configuration Server for all micro services using Spring config Server.
  - Developed Service discovery and load balancing using Netflix Eureka Server.
  - Developed Proxy Server for authentication and authorization for services using Netflix Zuul proxy Server.
  - Containerized the authoring and preview services using Docker container.
  - Deployed Docker containers on AWS.
- Designed and developed REST Services for authoring, preview and media micro services using Spring Boot.
- Developed user interfaces for Techadmin module using AngularJS 1.x.
- Developed XML conversion module with RxJava.
- Designed and developed Service and persistence layers using Spring and Hibernate ORM.
- Launched the first innovative Microsoft Word Like Authoring system on the browser written complete in Java Script for developing innovative and



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graphical questions for the GRE, SAT and TOEFL examinations using Javascript, Java, JavaEE and Spring.

- Developed an XML based Schema Parser using Xerces to parse and generate JSON structure mimicing the XSDs.

**Stack:** Java 8, Spring Boot 1.3, Spring cloud, Netflix OSS, Docker, AWS, RxJava, Hibernate, JDOM 2, AngularJS 1.x, Javascript, Tomcat, UNIX, JBOSS EAP 6.4, Apache, JQuery, GULP, Maven and ANT

**S&P**

**Mar**

**2012 - May 2012**

**New York, NY**

- Designed and developed Integration server that can fetch data from various system running on different technologies and different formats and aggregating the data and send the data to mobile platform as JSON.
- Designed and developed REST services using JAX-RS and Jersey.
- Interacted with Business Analysts to come up with use case requirements.

**Tasks:** Designing, Developing, Delivering and Testing

**Stack:** JDK 6, JAX-RS, Jersey, Axis, JSON, WSDL, Tomcat

**ADP**

**Mar 2010 - Feb**

**2012**

**Roseland, NJ**

**RUN**

- Designed and developed REST services for RUN Mobile application using JAX-RS and Jersey.
- IBM MQ is used as JMS provider to loosely couple the service and backend layers.
- Apache Betwixt is used for marshalling and un marshalling of Java Beans to XML and vice versa.
- Spring IoC container for dependency injection.
- Used Maven for building tool and Nexus as maven repository.

**Stack:** Java 6, Spring, Jersey, JAX-RS, IBM MQ, Oracle, Apache Betwixt, JMS, JSON and Tomcat.

**Vantage HCM**



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- Designed and developed application iReport Services application using SOAP based web services with JAX-WS.
- Designed and developed WSDL and schema files with contract first approach.
- Used Message Transmission Optimization Mechanism (MTOM) and XML Binary Optimized Packaging (XOP) technique to send PDF stream as binary attachment.
- Used IBM MQ as JMS provider for the interaction of service and backend layers.
- Developed java stored procedures to interact with Database.
- Developed user interfaces using JSF, JavaScript and CSS.

**Stack:** Java 6, JavaEE, Spring, JAX-WS, IBM MQ, Oracle, Apache Betwixt, JMS, JSON, JSF, JavaScript and Tomcat.

**Samsung  
2010**

**May 2008 - Jan**

**Ridgefield park, NJ**

- Developed Global HR system for North America HR people using JSF and ICEFaces components.
- Developed service layer and wired using Spring IoC.
- Developed persistence layer using Hibernate ORM.
- Developed JAX-WS web services to interface with other systems.
- Developed email module with JMS.
- Extensively used JBOSS Seam for conversational scope.

**Stack:** Java 5, J2EE, ICEFaces, JBoss Seam, Spring (IoC,AOP, Security), Hibernate, JAX-WS, SOAP, JMS, Oracle, JavaScript, JSF 1.2, MyEclipse, SVN and ANT.

**Stryker  
2008**

**Oct 2007 - April**

**Mahwah, NJ**

- Developed custom product database (CPD) web application using Struts and J2EE. Deployed it on IBM WebSphere.
- Developed persistence layer using Spring JDBC.
- Developed user interfaces using Struts and Tiles.
- Developed PDF reports using JasperReports and iReports.



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**Stack:** Java 5, J2EE, Struts, Tiles, Spring (IoC,AOP, Security and JDBC), JMS, Oracle, JavaScript, JSF 1.2, IBM (WebSphere, ClearCase and RAD) and ANT.

**Answerthink**

**Jan 2004 - Sep**

**2007**

**Hyderabad, India**

- Developed sales order management and purchase order management products that will push and pull data from SAP ERP.
- Developed user interfaces using Struts and Tiles.
- Used SAP Jco Connectors to push and pull data from SAP ERP.
- Developed business logic using Session beans.
- Developed persistence layer using Entity Beans.
- Email processing and messaging module implemented using JMS and Message Driven Beans.

**Stack:** Java 4, J2EE, SAP Jco, Oracle Application Server, SAP ERP, Oracle, EJB (Session, Entity, Message Driven), JMS, Oracle, JavaScript, Struts, Tiles, Eclipse, CVS and ANT.