Application and Microservices Engineer

- Solutions-oriented Senior Software Engineer and Tech Lead with notable success directing and implementing a broad range of software initiatives while participating in planning, requirements analysis, implementation, deployment, maintenance and end user training of software solutions in direct support of business objectives.
- Outstanding leadership abilities; able to coordinate and direct all phases of projects-based efforts in a multi-disciplinary environment while managing, motivating and leading project teams.
- Hands on experience leading all stages of system development efforts, including requirements specification, process flow mapping, architectural design, prototypes, coding, testing, deployment, end-user training and support.
- Track record of increasing responsibility in the business software design, microservices, systems analysis/development and full lifecycle project management.
- Demonstrated capacity to implement innovative software solutions to address business problems, increase productivity and strengthen organizations.
- Adept at developing effective software systems, policies and procedures, project documentation and milestones, and technical/business specifications.
- Strong interpersonal, written, and oral communication skills combined with an infectious good humor.

Technical Proficiencies and Skills

Architecture and Design	UML (Rational Rose, Visio), Object Oriented Analysis and Design (OOAD), GOF Design patterns, J2EE Design patterns, EJB Design patterns, Microservices
Java	Core, Collection, Multithreading, RMI, Sockets, Applets, SWING, Reflection, JINI, Synchronization.
J2EE	JSP, Servlet, EJB, JMS, JDBC, JTA, JNDI, LDAP, Spring, Hibernate, Annotations, AOP (Aspect Oriented Programming), IoC (Dependency Injection), JSTL, Web Services, JSR 168 Portlets. Thymeleaf
Frameworks	Spring Boot, Spring, Spring Cloud, Hibernate, Spring Data/Mongo DB/JPA/Elasticsearch, Apache Camel
Middleware	Websphere, Weblogic, JBoss, Apache Tomcat, Karaf
IDES	WAS, Eclipse, JBuilder, JDeveloper, Visual Studio, NetBeans 3.5/5.50, STS, MyEclipse
Source Code Control	SVN, CVS, Visual Source Safe and ClearCase., GIT, StarTeam, Perforce
Platforms	Windows 3.1/95/98/NT/2000/XP, VM, UNIX (Solaris, HP-UX), Linux, AWS, SaaS, Spring Cloud Foundry
Programming Languages	Java, Visual Basic 3/4/5/6, VBA, UML, C++, PowerBuilder, SQL, HQL, SQL *Plus, Groovy, Grails, JSTL, PHP
Web Services/Microservices	SOA, REST, Spring Cloud, Eureka, Hystrix, Feign, Ribbon,Zuul. Hashicorp Consul, Swagger
XML/HTML	XML, XSLT, XSL, JAXB, SAX, DOM, XPath, XSD, WSDL, HTML, CSS, Bootstrap
Databases	Oracle 7/8/9/10i/11/12g, Sybase, DB2, SQL Server, MySQL, HSQL, Mongo DB, Elasticsearch
Development methodologies	Agile, Waterfall, TDD, Agile
Ajax Frameworks	Jquery, JSON, AngularJS 1.4/2.x, ReactJs
Testing, QA	JUnit, Mockito, Spring, BDD, Selenium, Sonar Cube and Jacoco,

	Cucumber
CI/CD	Jenkins, Ant, Maven, Archiva, Nexus, Bamboo, Docker, TeamCity

PROFESSIONAL EXPERIENCE

Softworld Inc, Waltham, MA 10/2017-Present
- Senior Java Microservices Developer/Consultant (PenFed Credit Union)
- Design and implement Spring Boot Microservices using ATDD and TDD to support highly customizable and scalable APIs for a large commercial bank going through digital transformation.
- Technologies used included Spring Boot, Spring Cloud, Spring Config, Netflix Eureka, Hystrix, Ribbon, Feign, Zuul, IBM WAS, AWS, Docker Swarm, Kubernetes, Swagger, Spring Data JPA, Sql Server, Jenkins, Git, JIRA, Agile, Core Java, Docker, Maven, Jenkins, Tomcat 8.xx, Java 1.8, Linux OS, TeamCity, SonarQube, Mockito, React, Angular, Hibernate, Salesforce, JMeter, Cucumber, AWS API Gateway and other technologies.

Cxense, Video R&D, Boston, MA 04/ 2015 - 08/2017
- Senior Java Microservices Software Engineer
- Designed and implemented microservices to support highly customizable and scalable video/audio content processing system destined for some of the most popular websites in a cloud-based environment.
- Technologies used included Spring Boot, Spring Cloud, Netflix Eureka, Ribbon, Feign, Zuul, Hashicorp Consul, Swagger, Elasticsearch, Spring Data Elasticsearch, Jest, Mysql, Docker, AWS, Maven, Jenkins, Tomcat, Java 1.8, Linux OS, SonarQube, Mockito, Node JS, NLP, and recommendation engines among other technologies.
- Championed ongoing technology and process improvement research, POCs, and documented recommendations as well adoption.

Staples, Inc., Framingham, MA 06/ 2013-03/15 (Consulting)
- Tech Lead/ Senior Software Engineer
- Provided technical leadership to an E-Commerce onshore and offshore Agile development team.
- Created high/low level design, hands on software development, made use of third party frameworks, conducted code reviews and mentors junior associates.
- Interacted and coordinated activities cross-functional teams, including development, user experience, business stakeholders, system administration, database administration, network engineering and production support staff.
- Identified gaps and proactively improved system service level agreements to create modular products that could be quickly customized, enhanced, and branded as needed.
- Technologies used included Spring MVC, Spring Data JPA, Spring Data MongoDB, Websphere E-Commerce, WAS, B/Json, Mongo, Oracle 11.g, Maven, Tomcat, Apache, Cloud computing, RESTful webservices, Hibernate, JPA, GIT, Jenkins, Archiva, Sonar, Jacoco, Node.JS, Selenium, Stash, DB2, Thymeleaf , Linux, Splunk, Tealeaf, Sosta, Akami ADC, CA APM, among other technologies.

First Marblehead Financial, Boston, MA 11/2011 - 06/ 2013
Senior Java Developer
- Responsibilities included working with business analysts, users, software developers and the business community in implementing software solutions for originating and managing student loans.
- Involved in implementing software solutions for entire project lifecycle (design through rollout) in a scrum based agile environment. Technologies used included JAVA 6, JUnit, Spring 3.x JSF, Annotations, Spring Batch, Spring Security, Spring Web Services, CXF, JAXB, Hibernate, JPA, JQuery, Ajax, JSP, SVN, Anthill, JIRA, MAVEN, Selenium test framework, Oracle 11g, SQl Server,

JBoss, Websphere 7.0, RSA, HTML, JSTL, XML, CSS

AMICA Insurance Company, Lincoln, RI 01/2011- 011/2011
Senior Software Developer (Consulting)
- Responsibilities included working with business analysts, architects, software developers and the business community in implementing software solutions for managing insurance policies.
- Involved in developing and implementing a web based solution for automating billing options for Amica's Insurance property and mutual products using a home grown web JAVA MVC web framework in an Agile environment. Technologies used included JAVA, JUnit, ANT, MyEclipse 7.5, SOAP and RESTful web services, JMS, HTML,XML, JAXB, XPath, ExtJS, JSP, JSON, DB2 and mainframe legacy systems. Provided leadership and mentorship to junior developers.

Boston University, Boston, MA 03/2007 – 12/2010
Senior Software Engineer

- Responsibilities included working closely with staff, students, and faculty to analyze and understand business requirements of a diverse user community. Responsible for designing of quality technical solutions aligned with Boston University strategic goals and comply with the University's architectural standards. Made recommendations towards the design and development of application architecture, business systems, and development of new or reuse of existing code. Involved in the full systems life cycle and is responsible for designing, implementing and supporting software applications that are delivered on time and within budget.

- Designed developed and implemented a JSR 168 Spring MVC portlet application used by students, staff and faculty to evaluate and rate courses taught by Boston University School of Management faculty members. The application was developed using J2EE Technologies (JSP, Beans, and HTML), JSTL, XML, Spring MVC portlet framework, Hibernate ORM, Maven, Displaytag. The portlet was deployed in uPortal portal container running on an Apache Tomcat 1.6 server. CAS was used for user authentication. Oracle 11g was used as backend database accessed via Hibernate (using DBCP 1.4).

- Designed, developed and implemented a JSR 168 Spring MVC portlet application used by students, staff and faculty to create, view, update, delete, print reports of facility related requests. The application was developed using J2EE Technologies (JSP, Beans, and HTML), JSTL, XML, Spring MVC portlet framework, Jmail, Displaytag, Hibernate and Maven. The portlet was deployed in uPortal portal container running on an Apache Tomcat 1.6 server. CAS was used for user authentication. . Oracle 11g was used as backend database accessed via Hibernate (using DBCP 1.4).

- Designed and developed a JSR 168 Spring MVC portlet web application used by students, faculty and staff as main gateway to access various applications, application links, forms and blogs. The application was developed using J2EE Technologies (JSP, Beans, and HTML), JSTL, XML, Spring MVC portlet framework, Annotations, Javascript, Ajax, JQuery, Hibernate ORM and Maven. Oracle 11g was used as backend database accessed via Hibernate (using DBCP 1.4).

Novartis Institutes for Biomedical Research, Cambridge, MA 08/2003 - 03/2007
Senior Software Engineer

- Responsible for leading all software and IT projects in support of the Lead Discovery, Pre-Clinical Profiling and Data Technology groups as well as facilitating and guiding the direction and strategy of software development within Novartis. Technical expert/representative in software audit of

products considered for procurement. Participated in numerous collaborative research efforts with lab automation vendors with regards to software validation, audits and quality assessment.

● Designed, developed and implemented a web application system for managing user access and passwords and access to various systems. The application was developed using Java Servlets, JSP, Beans, HTML, XML, LDAP and Struts 1.1 framework. Data access was through JDBC API to Oracle 10.0 database.

● Designed and developed an automated system to optimize Novartis's drug discovery and development. The system was built using MS VB 6.0 using XLFit analysis package, custom statistical functions to help automate data generation, analysis and validation. The data was then piped into an Oracle database via a Demon constructed in Visual Basic running on a remote network server.

● Successfully implemented an integrated High Throughput assay production tracking system to automate the process of running experiments, data capture from different robotic systems, statistical analysis and data visualization. The system was built using VB6.0 using OBDC API to Oracle 9 as back-end.

● Championed the IT and software integration of a fully automated $3.2 million compound storage and plate production system. The system was capable of producing over 1,000 assay plates per day unattended and could store up to 3.0 million tubes of compounds.

Millennium Pharmaceuticals, Cambridge, MA 04/1999 – 08/2003
Senior Software Engineer

EDUCATION
Brandeis University, Waltham, MA, USA
Masters in Software Engineering
Advance Certificate in Software Engineering
Clark University, MA, USA
Certificate in Client Server Programming
Cardiff Business School, University of Wales, UK
MBA International Business and Marketing
University of Malawi, Lilongwe, Malawi
Dip   in Agriculture, Plant and Animal Sciences

Volunteering
Frequent presenter at the Boston Java Meetup group.