

Pooja Shah
Java Developer
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PROFESSIONAL SUMMARY

- Around 5 years of experience in software development includes Analysis, Design, and Development of Web-based applications.
- Extensive experience in design and development of multi-tier applications using **Java, J2EE, Spring, JSON, XML, REST Web Services, HTML5, JavaScript, Ajax, jQuery, JUnit**.
- Worked on different Application Servers like **Apache Tomcat**.
- Proficient in core java concepts like Collection Framework, Multi-threading, Serialization.
- Extensive usage of different IDEs like **Eclipse, IntelliJ, Spring Source Tool Suite (STS), XCode, Android Studio**.
- Experience in Object Oriented Analysis and Design (OOAD) techniques using UML.
- Extensive Experience in using MVC (Model-View-Controller) architecture for developing applications.
- Experience in Singleton, Factory, Observer, MVC, Strategy, Proxy **design patterns**.
- Experience in building a rich web application using **AngularJS, NodeJS, React Native, AJAX, jQuery, HTML5, CSS3, and JavaScript**.
- Experience with building tools like **Maven, NPM, Grunt, Bootstrap**.
- Performed code reviews and implemented best **Python** programming practices.
- Experience using core Java APIs to build multi-threaded server-side components for large-scale Web and standalone applications.
- Experienced in developing messaging module by using **Apache Camel and Active MQ**.
- Experience in **NoSQL** database such as **MongoDB, Cassandra**.
- Implemented routing logic and navigation from screen to screen using **JavaScript** framework **AngularJS**.
- Strong Experience using **RESTful Web services** to implement login using social APIs such as Facebook, Google, Twitter APIs, using a remote server in Java using Spring MVC, **MongoDB**
- Experience in Cloud and Virtualization Technologies such as **Docker, Openstack, Google Cloud, Amazon AWS** Cloud Platform with focus on various services such as **EC2, S3, VPC**.
- Used **Spring Boot** framework, to build the Web Application Services.
- Configured and created application using **Log4J** to trace required application log messages.
- Used JavaScript Google APIs, analyzing the data from **Cassandra** database.
- Developed an excellent user interface and integration with **NodeJS, MongoDB** based **RESTful** services for energy service solution providers.
- Expertise in **Android** and **iOS** mobile development.
- Developed a hybrid application for mobile cross platform using **React Native**.
- Good programmer in **Python** and Unix Shell scripting (**bash**).
- Experience in using Jira and Confluence as part of the agile methodology.
- Proficient in using **RDBMS** concepts with **SQL**.
- Hands on experience in CI/CD process implementation using **Jenkins** to automate deployment jobs.
- Developed REST based **Microservices** using Spring Boot for remote monitoring.
- Experience with source code control management like **Perforce, GIT**.

- Defined various functional requirements and designed software requirement specification (SRS) after performing requirement analysis for the systems.
- Expertise in Database Design, Creation and Management of Schemas using Oracle SQL, DB2, **MySQL**.
- Experience in building a Cloud based application to deliver Platform-as-a-service (**PaaS**), Software-as-a-service (**SaaS**) and Infrastructure-as-a-service (**IaaS**).
- Excellent communication and interpersonal skills and involved in client interactions for product requirements, effort estimates and status reporting
- Participated in the designing and developing of Software using **Agile** and **Waterfall** software development methodologies.

TECHNICAL SKILLS

Languages	Java ,J2EE, SQL
Web Technologies	HTML 5, JavaScript, JQuery, CSS 3, XML, AJAX, React Native, AngularJS, Restful Web Services, NodeJS
Frameworks	Spring, Spring MVC
Application/Web Servers	Tomcat, Web Logic, JBoss, Jetty.
IDE Tools	Eclipse, Eclipse-based Spring Source Tool Suite (STS), MySQL Workbench, XCode, Android Studio, NodeJS Express, Qt
Databases	Oracle 11g, MySQL, Cassandra, MongoDB.
Agile Tools	Jira, Confluence, Jenkins.
Tools	Ant, Maven, Spring Boot, Active MQ, Apache Camel
Build and SCM	Git, Ant, Gradle, Maven.
Cloud Technologies	AWS, Google App Engine, Salesforce
Virtualization	VMWare vSphere and vCenter , Openstack, Vagrant, Ansible, Docker, VirtualBox
Operating System	Windows, Linux, Unix, Macintosh HD.

EDUCATION

Masters in Software Engineering (2018) <i>San Jose State University</i>	Bachelors in Computer Engineering (2010) <i>Pune University</i>
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PROFESSIONAL EXPERIENCE:

IBM, San Jose	June 2017 – Dec 2017
Role: Software Graduate	

Description: IBM DB2 Analytics Accelerator for z/OS enables real-time analytics to improve response time. Clients of IBM were looking for automation scripts which would increase time of querying the DB2 results faster and efficiently.

Responsibilities:

- As a part of Hybrid Cloud team, my responsibility was to provide provisioning of spectrum scale file system which helped sales team on- demand zSystem trial machines. These machines have prebuilt images of DB2 and Accelerator which takes more than 8 hours to provision.
- Developed python scripts to provision and clone the zSystem trial images to reduce the overhead of disk space. This involved task of creating nodes on network followed by cloning the zSystem images and making sure the IDAA GUI is accessible over network.
- Developed automation scripts to speed up the process of querying DB2 using Java using IBM IDAA plugins.

Environment: Java, Python, IDAA, DB2, Spectrum Scale, GPFS, Log4J, Multi-threading, zSystem.

MyFlowZone, San Jose

Dec 2015 – June 2016

Role: Product Developer

Description: This stealth-mode startup company has a product which help the people to increase the productivity and mental fitness, by learning from their own behavior patterns. This involved a lot of analytics providing a seamless integration to various hardware sensors.

Responsibilities:

- Involved in designing and developing cloud based **Micro Services** using **Spring Boot**.
- Using Social APIs such as, Facebook, Google and Amazon developed a login system and session handling in backend.
- Designed and Developed REST APIs using Spring MVC to interact with frond end and database hosted on elastic beanstalk.
- Designed database using NoSQL based Cassandra database.
- Developed a dashboard using **JavaScript** based **Google APIs** such as pie chart, bar chart etc. Used Google Maps to detect the location of devices.
- Deployed the backend server on AWS elastic beanstalk.
- Implemented company's main website using WordPress.
- Overall, I was involved in the role of DevOps, front end and backend.

Environment: Java, HTML5, CSS3, JavaScript, JQuery, AngularJS, JSON, Spring, Spring Boot, AJAX, JSP, Spring MVC, Spring Batch, JSTL, Cassandra, Amazon Web Services, GIT, XML, Log4j, Maven.

BMC Software, India

Jan 2013 – May 2015

Role: Staff Product Developer

- [Qualys Integration - BMC SecOps Portal](#)

Description: The objective of this project is to implement a web based dashboard system which can be used by the enterprise's IT and support team. BSA-Qualys Integrated solution is to combine BMC Bladelogic Server Automation (BSA) and Qualys Vulnerability Management Solution (QualysGuard) to quickly identify vulnerabilities among all the enterprise assets.

Responsibilities:

- Designed and developed user Interface using JavaScript, JQuery and AJAX.
- Designed a dashboard using Fusion Charts and developed an analytics engine to provide the graphical view to IT and support team to identify the current status of the asset infrastructure.

- Developed the remediation engine backend for vulnerabilities using the BSA REST APIs using Spring framework.
- Responsible to enhance the UI using **HTML, JavaScript, CSS** as per the requirements. Used Fusion Charts for building pie chart, bar chart, bubble chart, gauges, spider charts etc. to provide an effect of infrastructure status.
- Used **Spring Core** Annotations for Dependency Injection and **Spring MVC** model integration for front-end request action controller.
- Used client side java scripting: **JQUERY** for designing navigation system.
- Created NSH Scripts similar to **UNIX** shell scripts to automate the process of running regular jobs like file transfers between different hosts.
- Used **Log4j** for the logging the output to the files.

Environment: AJAX, Java, UNIX OS, CSS, JavaScript, Tomcat, Eclipse, Perforce, Maven, Qualys APIs, BMC Server Automation (BSA)

- **Compliance and Risk Assessment Kit (CRA-Kit)**

Description: The objective of this project is to implement a lightweight dashboard system which can be used by the sales team to showcase the need of BMC Server Automation (BSA) for the client's infrastructure. BSA server is used to deploy the security patches on assets. This project was targeted to the Sales teams to identify potential risks in the customer IT infrastructure environment. It offers out-of-box compliance reports for Heartbleed, ShellShock and Aftershock, Bash and Ghost vulnerability discovered.

Responsibilities:

- Worked on dashboard and security reports to showcase the compliance and vulnerabilities for the IT infrastructure.
- Used Fusion Charts to design the dashboard to showcase affected hosts, compliance and security risks.
- Developed an installer using Java based IzPack framework for an easy and quick installation of the utility for the Sales team.
- Developed CRAKit system which uses ADDM APIs to detect the vulnerabilities and offers auto-remediation for patching various OS.

Environment: AJAX, Java, IzPack, UNIX OS, CSS, JavaScript, Tomcat, Eclipse, Perforce, Maven, Qualys APIs, BMC Server Automation (BSA), ADDM

- **eZDeploy**

Description: Project was to develop a Java based command-line utility, to export and import BMC Cloud Lifecycle Management (CLM) Blueprints across environments seamlessly. BMC CLM is a cloud management platform for automating the provisioning process on variety of virtualization platform including VMWare, Openstack, terremark, harris.

Responsibilities:

- Worked on dashboard and security reports to showcase the compliance and vulnerabilities for the IT infrastructure.
- Developed the BMC Server Automation NSH scripts to export and import the CLM blueprint artefact from one CLM deployment into another environment (development -> Staging -> Production).
- Build Java based installer using BMC Common Installer Framework for the utility.

Environment: NSH, BMC CLM, BMC BSA, Java, IzPack, UNIX OS, Perforce, Maven

Globallogic, India

Jan 2012 – Dec 2012

Role: Software Engineer

Description: Main objective of the project was to provide an installer for BMC CLM to integrate with various cloud providers such as Openstack, Terremark, Savvis Cloud Integration with BMC CLM.

Responsibilities:

- Built a standalone java based installer based on BMC Common Installer for all content Providers.
- Played a key role in managing the BMC Cloud Lifecycle Management Test Lab and developing Java based Installers for BMC CLM Content Team.

Environment: Shell Scripting, BMC CLM, BMC BSA, Java, IzPack, UNIX OS, Perforce, JSON, XML

ACADEMICS PROJECT:

VStack using OpenStack

- Using Java Spring framework and OpenStack APIs, built a VStack as a web based application and catered innovative use-cases.
- Using OpenStack Mitaka, developed CRUD based use cases to deploy and run the VMs on OpenStack.

Environment: Shell Scripting, Openstack, Spring, AngularJS, JSON, XML

Accident Reporting System| NodeJS, AWS | Fall 2016

- Developed a Cloud based application to deliver Infrastructure-as-a-service (IaaS).
- Built a dashboard using NodeJS to visualize the real-time data coming from MongoDB and hosted it on AWS EC2 and HAProxy load balancer.

Environment: AWS EC2, HAProxy, NodeJS, MongoDB, JSON

Smart Door System

- Developed RESTful endpoints using python flask to integrate with Raspberry Pi.
- Developed a deep learning based face recognition engine on cloud.
- Developed an iOS mobile app for automating the lock and unlock door using SiriKit and Alexa.

Environment: AWS EC2, Python Flask, Deep learning dlib library, Raspberry Pi, iOS, SiriKit, Alexa, Swift

e-EnergySolution

- Developed a native app for energy service provider and customer to rent the energy solution services.
- Multitenant app for android and iOS mobile platform based on react native.
- Excellent user interface and integration with NodeJS, MongoDB based RESTful services.

Environment: Heroku, React Native, NodeJS, MongoDB, iOS Swift

Smart Street

- Developed an iOS mobile app for smart city to provide a social platform.

Environment: AWS EC2, iOS Swift, SQLite, Core Data

Skin Disease Diagnosis

- Developed RESTful endpoints using Java Spring Boot.
- Developed an iOS mobile app for detecting skin diseases using various apple development kit and Wikitude AR Framework.

Environment: Java Spring Boot, Wikitude AR, iOS Swift, HealthKit

Foodie

- Developed an android mobile app to suggest food intake
- Yelp and Fitbit integration to recommend nearby restaurants and food options according to your calories burnt.

Environment: Yelp APIs, Fitbit APIs, Android