Dinesh Joshi

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Executive Summary

- 10 years of designing, developing and implementing Java/J2EE Web Based applications
- Well versed with Agile methodologies and daily scrums.
- Good understanding of server technologies such as Spring, OSGi, ActiveMQ, RESTful web services
- Well versed in UI technologies such as eclipse 3x RCP, eclipse e4 RCP
- Good in Low-level designing, impact analysis based on enhancement, defect, unit, integration testing and troubleshooting
- Worked on new technologies evaluation and POC to enable its successful adoption in the project

Carrier Path

- Airamatrix (formly known as Aditya Imaging Information Technologies) (Since Jan 2013)
- Oxyent Medical Pvt. Ltd (Jan 2011 to Dec 2012)
- Origen-Test Research & Implementation Bureau Pvt. Ltd (Nov2009 to Jun2010)(Internship project)

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Specialization	University	Performance
2007-2010	MCA	Computer Application	UPTU, Lucknow	77.14%
2004-2005	B.E.D	Education	HPU, Shimla	65.40%
2000-2003	BSC	Non-Medical	HPU, Shimla	51.17%
2000	HSC	Medical + Non-Medical	CBSE Board	49.40%
1998	SSC	-	CBSE Board	62.80%

TECHNICAL SKILLS

Framework & Languages**: Core Java, Plugin Development (SWT/RCP) – 3x and e4, Spring, Hibernate, Rest web service, ActiveMQ (JMS), JWT Token, OSGI, Tomcat, Docker, Glassfish, Apache Karaf, SpringBoot Microservices**

Databases**: MYSQL & MongoDB**

Tools**: Eclipse, Visual studio,Maven, Jenkin, GitBlit**

Version Control System**: Git, SVN**

Work Experience

Organization: **Airamatrix (formly known as Aditya Imaging Information Technologies)**

1. Project: AIRADHI
Team Size : 9
Technology : Spring Boot Microservice, Hibernate, Keycloak, nestjs
Database : MySQL
Server : Apache Server , Apache Tomcat, HPC Servers, Standalone Tile Servers
Responsibilities : Architecture Design, Database design, Audit Trail, Image Mapping, Image format metadata interchange protocol creation, Digital Collaboration

Description: AIRADHI is a web based whole slide image management system designed to assist pathologists in reporting preclinical toxicologic pathology studies. AIRADHI provides a workflow that includes study creation, image analysis and reporting. It enables secure archival, quick retrieval and instant sharing of digitized pathology slides. It also enables efficient consultation among pathologists, to seek an expert opinion or a peer review.

2. Project: **aCCumen**(Accurate Colony Counting Measurement)

Team Size : 5
Technology : Microservice platfrom using Spring Boot, Hibernate, auth 2.0 Authentication , Freemarker Template, ELK Stack
Database : MySQL
Server : Apache Server , Apache Tomcat, HPC Servers
Responsibilities : Architecture Design, Database design, Audit Logging, Search & Reporting functionality
Description: The aCCumen is an efficient and robust colony counter management system for the accurate identification and counting of microbial (bacterial/fungal) colonies for environment monitoring in drug development. Microbiologists use the microbial count to determine whether the drug manufacturing place is safe or not. If the count is beyond a certain limit, production of drugs cannot continue. The aCCumen Marking tool is an efficient application that enables you to capture and annotate images.

3. Project: **WSIMS**(Whole Slide Image Management System)
Team Size : 8
Technology : Java OSGi , Apache Karaf, Spring, Hibernate, API , REST web services, AWS, JWT Token, Sparkjava, Freemarker
Database : MySQL, MS SQL, MongoDB
Server : Apache Karaf , Apache Tomcat, ActiveMQ(JMS), NodeJs, Apache Server
Responsibilities : Architecture Design, Database design and Application Development
Description: WSIMS is a Web-based image management system which provides a vendor-neutral solution to preclinical histopathology evaluation. This expert system performing automated classification of histopathology images which speed up the drug development life cycle and assist pathologists in identifying unwanted drug side effects. Several animal necroses were conducted and tissue slides were prepared under different studies to test chemical compounds. In this process, the image scanner scans physical slides in batches and dump digital images into image storage. These proprietary images used to be in the range of 200 MB to 25 GB, in turn, breaks down into tiles of a specific size. These images were analyzed by pathologists on a web visualizer and after review, they submit their findings & observations. If the US FDA approves their finding of the chemical compound, then that drug stands fit for clinical trials.
 Achievement:
✓ **Awarded with "ABOVE and BEYOND INNOVATOR" award in May 2018.**

4. Project: **DeepLense**
Team: 6 members

Technologies: Java, C++, Eclipse RCP Framework, Hibernate, Plugin driven architecture, Bioformats, JNI, Tycho Plugin, Sparkjava, Freemarker

Database : MySQL & MongoDB

Responsibilities: Architecture Design, Database Designing, Developed Application & Bug fixing

Description: DeepLense is an AI based image visualizer used for displaying proprietary medical images, feature classification, segmentation along with organ Analysis functionality on a desktop application. It is a histopathology Image Analysis tool coupled with advanced viewing capabilities. It aims at helping histo-pathologists by reducing their dependency on cumbersome microscopic analysis and thereby expediting the whole process by many folds. Various deployable product variant were created out of this product.

Achievement:

- ✓ **Awarded with "BEST EMPLOYEE award in May 2017.**

Organization: **Oxyent Medical Pvt. Ltd**

Team: **Backend, Digital Visualizer & Product Solution Development**
   I am part of the backend development team which deals with creating product solution for
Sun Pharma Advanced Research Company(SPARC)

1. Project: **Image Analysis & Decision Support System(iADSS) (Aug 2011 to Dec 2012)**
Team: 15 members
Technologies: Core Java, Plugin development using Eclipse RCP/SWT/JFace, SVN, Glassfish, cruise control build tool, Bioformats, OpenGL, JNI, Maven, Tycho Plugin
Database : MySQL
Responsibilities: RCP module creation, Performance & Memory optimization of very large dataset, Creation of window & linux based installers, Desgin & implement annotation feature.
Description: It is a toxicological analysis system made for pathologists to digitize, automate and speed up certain aspects of drug discovery lifecycle. This software consists of various modules including Digital Microscopic slide visualize, image processing Engine, AI engine (for Object Extraction), Image Smart, Web conferencing.

2. Project: **Customer Relationship Management(SugarCRM) (Jan 2011 to Jul 2011)**
Team: 3 members
Technologies: LAMP Stack

Database : MySQL
Responsibilities : Database designing, Report creation, Gathering & analysis customer requirements
Description: It's an ERP based system used for product billing and auditing purpose. Designed and implemented various features as per client requirements. Various dashboard screens and functionalities were customized as Gathered and analyzed as client requirements

Organization: **Origen-Test Research & Implementation Bureau Pvt. Ltd**

Highlight: **Successfully commercialize workflow that involves the whole recruitment process for government companies like NTPC & SAIL.**
1. Project: **Registration Recruitment & Status Management (Nov2009 to Jun2010)**
Team: 8 Members
Technologies: Java, PHP, JavaScript
Database : MySQL
Responsibilities: Writing database query framework, design & develop user interface.
Description: The main purpose of the project is to prepare an online registration site & reveals all the processes which are undertaken for the successful accomplishment of an Online Examination. Creating GUI and manage database operations online registration site & reveals all the processes which are undertaken. It includes the research and development of the algorithm to achieve quality and performance goal.

PERSONAL DETAILS

Name:	Dinesh Joshi
Father's Name:	Prem Joshi
Mother's Name:	Nandi Joshi
DOB:	June 05, 1983
Marital Status:	Married