Present Address
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Mallikarjun Banda

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Summary:

- Recent Graduate with majors in Information Systems and a work experience of 2.7 years in a startup environment working at both system and application level.
- Strong foundations in core courses and Academics projects strengthened my problem-solving ability and continuous development.
- Startup Environment gave me excellent opportunity to work with multiple modules at a time with iterative strategies, production ready code, testing methodologies with requirement bounds.
- Developed strong Coding and debugging skills intent to deliver a bug free and reliable code.
- Practical understanding of Project Management and Software Development Life Cycle.

Work Experience:

Software Developer   **STEM LABS INDIA PVT. LTD.**   **Jan 2013 – Jul 2015**

Jan 2013 – Dec 2013
- Worked on the Linux module development and Integration with Robot Operating System.
- Coded and integrated various sensor modules with ROS.
- Worked in developing Dynamic Shared Libraries and Loadable libraries.
- **Skillset**: C/C++, Python

Jan 2014 – Jul 2015
- Developed and Supported various in house applications like Payroll, Sales and Customer Manager using JSP, Servlets, Structs, Hibernate and EJB.
- Fixed and Enhanced legacy java code to its optimized state resulting better performance (modifying Data Structure and Collections).
- Enforced design patterns such as Singleton, Factory, and Observer.
- Worked and used JSON notations to transfer data between client and server communications.
- Worked with Oracle SQL as primary database.
- Involved in JDBC tuning and configuring connection pools.
- Successfully enhanced HTML, CSS, and JavaScript code blocks in legacy applications for better data handling.
- Initiated and worked in transforming legacy in house web application to single page application using Angular.js framework.
- Enhanced SQL queries and table Joins quires for better performance.
- Developed and deployed Session and Entity Beans for database updates.
- **Skillset**: Java, J2EE, CSS, Java script, JSP, JPA, Spring, Angular JS, Hibernate, EJB, HTML, Oracle 11g.

IBM Blue Developer Intern   **IBM ISL India.**   **July 2012 – Dec 2012**

Proof of Concept: Confidential   **Area:** Systems Development
- Successfully Developed, Deployed & Tested a Proof of Concept Provider Module for System Director Platform Agent to avoid redundant drivers.
- Duties Involved developing a Proof of Concept Solution to the Problem exposed and to verify its feasibility.
- Discuss the design and implementation with team and supervisors to analyze any possible changes.
- Achieved a feasible POC resulting less footprint size of System Director Operating Systems Agents.
- Skillset: C, C++, System Director, CIM, CMPI, Shared libraries, assert

Software Developer Co-op   **NIRD - INDIA**   **Dec 2008 – May 2009**

Participant Referral System

- Design and Developed a Participant Referral System to keep track of Organization Courses, Guest Enrollments, Automated Invitation publishing, Enrollment of participants, Housing arrangements and Expenditure.
- **Skillset**: LAMP, JSP, Servlets, HTML, JavaScript, Oracle SQL

Education:

Aug 2015 - Present	**DAKOTA STATE UNIVERSITY**	**Madison SD**

- **M.S.** in Information Systems (Majors: Application Development). GPA: 3.8/4.0

Dec 2010 – Jan 2013	**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE - PILANI**	**Rajasthan, IN**

GPA: 3.2/4.0

- **M.E.** in Software Systems

Graduate Assistant & Research Assistant Positions:

Teaching Assistant for Software Architecture & Research Assistant for Software Engineering Courses.

Academic Projects:

- **Basic Storage Architectures:** Understanding Basic View and Configuration of SAN and NAS storage Architectures on VMware vSphere ESXi Hypervisor. [Free NAS OS].
- **Java Applications:** PDF maker (Apache pdfbox api), Multi-document search app (Apache Lucene api)
- **.NET Applications:** Weather dashboard, Enhanced Task Manager, Form applications: feedback forms, Authentication forms,
- **Mobile / Web Applications:** Rest API for pdf converter, Experience in building and consuming REST web services.
- **Hands on:** Vagrant to provision VM's, Vagrant + Open vSwitch, OpenStack deployment

Languages and Technologies:

- **Programming Languages:** C, C++; core Java; Python; SQL; Java Script; ASP.Net; PHP; Perl
- **Environments:** Linux; Windows, OpenStack Cloud Environment; GitHub; Webservers;
- **Key Interests:** Algorithms; Virtualization; Operating Systems; Networking; Cloud Computing; Web Programming

ADDITIONAL EXPERIENCE AND AWARDS

- A Diploma in System Software Development: [C-DAC] Center for Development of Advanced Computing – Ministry of IT - INDIA.
- Innovations and Research: Optimal Test sequence generation using Firefly Algorithm ; Publisher: Elsevier

Actively Volunteering Mozilla User Support [SUMO Team].