SUMA PATIL

Innovative software engineer offering four years of experience in the full software development lifecycle,
from concept through delivery of scalable, maintainable and efficient applications

Experience

Senior systems engineer, Infosys limited, Bangalore [June 2013 - May 2014]
- Developed geophysical algorithms for seismic processing. Worked on enhancement and maintenance of Omega SeisView and SeisFlow software for rendering seismic data.
- Designed and developed enhancements to the Omega SeisView system to preprocess data by reducing interference. This system was run on a distributed cluster and processed data in real time.
- Developed application packs for IBM COTS product- Proviso/TNPM.Designed and developed performance enhancement scripts to optimize data collection leading to a ~60% increase in throughput.
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Systems engineer, Infosys limited, Bangalore [March 2011 - May 2013]
- Developed a system to generate customized reports on health and performance of the network using Netcool Proviso. Extensive development and customizations of customer reports using Core Java/Javascript/HTML/CSS.
- Designed and developed a spring framework based web service to collect near real time data from network grids. The web services used SOAP client and template to consume the services. The service would consume XML and process the data accordingly.
- Performed in-depth performance testing on the reporting framework which resulted in improving data ingestion rate by 45%.
- Developed Perl scripts to efficiently discover new network devices and add them to the database. And developed Perl scripts for customization of Proviso(IBM tool) with experience on vi editor. Developed a regression test suite to verify sanity of newly developed components.

Systems engineer trainee, Infosys limited, Bangalore [August 2010 - March 2011]
- Scored a CGPA of 4.0 out of 4.0. Main modules are
  - Design and analysis of algorithms.
  - RDBMS essentials.
  - Perl scripting, Unix.
  - Integration and deployment of enterprise applications
  - Object oriented programming, Persistence Tier using Oracle and JPA.
  - Presentation tier using JSP and JSF

Education

Bachelor of Engineering, P. E. S. University, Bangalore, India [August 2010 - March 2011]

- Graduated with first class distinction.
- Developed a basic CISC processor gaining first hand experience of designing system level components.
- Designed and developed a data acquisition system for the wind tunnel using LabView. This system is in use at the National Aerospace Laboratories in India.

Skills

Languages	C	C++	Java	J2EE	JAX-RS	JavaScript	SQL	Shell scripting	SystemC

Frameworks	Spring	Java swing	JSP	Netcool Proviso	Apache Tomcat

Achievements

- Received recognition as the Most Valuable Member in the team for a quarter in Infosys .
- Received most innovative product award in Osmosis '09 for designing and developing a basic CISC processor.
- Received STAR certification from Infosys for excellent business etiquette, presentation and articulation skills.