



Abhishek Sharma M

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Professional Experience (5 Years, 2 months)

IBM System Labs, Bangalore

Staff Software Engineer
Software Engineer

July 2018 to Current
July 2016 to June 2018

Team – Power Virtualization Centre (PowerVC)

PowerVC is a cloud management offering, built on top of Openstack, that delivers simplified virtualization management and cloud enablement for IBM Power Systems.

Projects

Tech stack: Java, Microservices, Openstack, REST, RabbitMQ, Python

- **Nova, Cinder, Neutron** – Enabling quota system on PowerVC for setting limits on resources such as instances, amount of CPU a certain project/user can use etc.
- **Keystone & Security** – Multi-factor authentication, authorization of users and other security aspects.
- **Serviceability** – Identify faults, debug or isolate faults to enable root cause analysis for a customer issue.

Accomplishments:

- Successfully single-handedly implemented a command which would help in debugging of issues from client by collecting all the required log/configuration files & pointing out probable causes for failure.
- Represented IBM in IEEE CCEM twice & got a paper published in IEEE Xplore-7819698.
- Got Manager's choice award thrice & a Star of the month award.

Huawei Technologies, Bangalore

Software Engineer

July 2011 to Mar 2013

Projects

Tech stack: Java, Hibernate, MySQL, Struts

- **Metrics Capability Centre - MCC** was a project which kept track of company's manpower, departments, budget etc., & creation of reports through a tool called Business Objects (BO). I was responsible for module requirements analysis, design, software/database development, testing and on-time delivery.

Accomplishments:

- Led a team of 2 developers and successfully delivered module.
- Won Spot award & Weekly star award for noteworthy performance.
- "Enhancing the Coding Quality" (ECQ), Huawei certified programmer in Java – May 2012.

Educational Qualification

MTech (Software Engineering), IIT-Bangalore	CGPA 3/4	2014-2016
GATE (Graduate Aptitude Test in Engineering) qualified	99.62 percentile	2014
B.E. (Electronics and Telecommunication), PESITM, Shimoga	76%	2007-2011

MTech Projects

Tech stack: Java, J2EE, REST, Android, Spring, Neo4j

- **Arogya Seva** – Fully functional android app designed for Healthcare NGOs which would connect Doctors & rural people for better health tracking and reach for under-privileged population.
- **Ecommerce web application** – Replicated maximum features from Flipkart/Amazon web application to understand, design & implement a web-app using object-oriented design principles.
- **Data analytics on Karnataka SSLC Student Information** – Insights from data using clustering & classification.

Skills

Java, Python, Openstack, SQL, Software Design, REST, RabbitMQ, Microservices, Data Structure, Algorithms.

Publications & Opensource Contributions

"Openstack Ceilometer Data Analytics & Predictions" – Abhishek Sharma M, Monica Joshi, IEEE - CCEM, October 2016 - <http://ieeexplore.ieee.org/document/7819698>

Contributed code in the form of bug fixes in many Openstack components including Nova, Cinder, Ceilometer & Keystone - <http://stackalytics.com/report/users/abhi.sharma>