Resumes

abhishek jha

project Manager

Summary of Qualification

Abhishek Jha is an accomplished Software Engineer and Project Manager with strong technical skills. He has successfully led technology projects in both private and public sector.

Education

Computer Engineering, Colorado, Colorado State University, ’98-’02

Relevant Experience

**Technuf, LLC, ’20 - Present**

***Project Manager***

Working on multiple software projects for Technuf.

**IBM Global Services ’11-’15**

***Lead Software Engineer***

* Lead the Android team developing Android client for Cisco IPICS.
* Worked with integration of Cisco IPICS Android client into Technuf's Aphelia client.
* Implemented SDK to encapsulate functionality of Cisco IPICS Android app to allow IPICS integration into other products.
* Worked with open source VoIP libraries.
* Lead the quality assurance(QA) team in testing products like Cisco IPICS server and its console.
* Used industry leading testing tools like IBM Rational Functional Tester(RFT), Test Complete, etc.

**IBM ’19 – ’20**

***Lead Software Engineer***

* Lead a team of 15 engineer/QA (on shore and offshore) to implement software releases for maintenance and new features.
* Implement a new prioritization and release schedule with client to ensure timely release that pass though gated process.
* Develop strategies on improving test cases.
* Work with other vendor teams to integrate and please software.
* Lead software troubleshooting of issues occurring in the field.

**Digital Harmonics ’18 – ’19**

***Lead Software Engineer***

* Develop software for c++/Cuda and Node.js for image and video enhancement.
* Use third party api likes OpenCV, ffmpeg, rapidJson, used gcc, g++ and mvcc compliers and use build scripts to create a project.
* Implementing patented algorithms and improving performance, looking specifically at memory usage and exception time. Implementing design to minimize memory usage and using GPU parallelism to improving computational performance.
* Develop new features and perform bug fixes. Create design and test documentation. Demonstrating new features to stakeholders.
* Lead team of fellow engineer, DevOps and test engineer in setting up standards, for coding, testing and processing a workflow. Work with new team member to integrate them onto the team
* Involved in hiring processing including screening resumes, leading interviews and create position requirements.

**SecondWrite ’17-’18**

***Software Engineer Consultant***

* Develop features to detect malware for JAR and Image types files inside of a sandbox environment.
* Create new features and models for machine learning to enhance detection rate and reduce false positives. Using random-forest and Keras to produce models.
* Develop software using Python and c++ in linux environment with MySQL.
* DevOps work with cloud infrastructure, creating ZFS storage system.
* Work with JIRA, bitbucket and OVH cloud.

**Envieta ’16 – ’17**

***Embedded Software Engineer***

* Develop cryptology api using PKCS#11 standard.
* Design and implement API  and network software using c/c++ on Linux for ARM and x86. Use libraries like google flatbuffer, zmq, pugixml.
* Used zmq to load balancing and multithreading to improve throughput of crypto calls and hit performance targets.
* Create automated test using Google test framework to improve software quality.
* Work with JIRA, bitbucket and gradle build systems.

**USCIS ’15 – ’16**

***Automation Test Engineer***

* Develop Performance test script using c in HP load runner. Use HP performance center and new relic to measure system performance. Testing targeted on AWS.
* Lead all aspect of testing including, test development, test reporting and script refactoring.
* Created automated integrated test scripts using Selenium-Python.
* Work with functional team tester to automate the process of testing web applications, using agile project management.
* Use Python, Selenium and AutoIt to create integrate tests.

**Metispace ’14-’15**

***Principal Software Engineer***

* Design and develop scheduling software to be used for Space Network systems.
* Use, c++, proC, OCCI and Java to develop server and web/GUI applications.

**TCom LP ’13 – ’14**

***Software Engineer***

* Create control software, which arbitrates based on analog and digital sensor on cross platform system.
* Develop test cases for unit and system testing (automated) as well as provide100% code coverage (CxxTest).
* Lead reviews for design, code and testing. Be the lead developer on the subsystem working to execute to requirements provided by the customer.

**Axcelis Technologies ’10 – ’13**

***Software Developer III***

* Worked with scientist to take concept in matlab with release product using c/c++.
* Developed application and machine control software using, c, c++, and c# creating software specifications, requirements and test cases.
* Developed in embedded Windows XP and VxWorks environment using, Visual Studios and VxWorks WorkBench.
* Lead multiple projects including quality initiative that increased the machine uptime by 4%.
* Worked with a multi-disciplinary team that included offshore developers, physicists, electrical and mechanical engineers and field service to get requirements, feedback and follow through on projects.
* Develop serial and socket drivers to communicate with external hardware equipment.

Skills

* Project Management
* OS: Windows, Linux, UNIX, and embedded Linux, VxWorks and custom RTOS.
* Using Arduino to develop robotics, including motor control sensors.
* Programming Language: c, c++, Java, Python, assembler with PIC and AMD x86. Worked with software development lifecycle process.
* Tools: OrCAD, Matlab, MKS, Bugzilla, Wireshark, JTAG, Visio
* IDE: MPLAB, Microsoft Visual Studios, Paradigm/Borland, Eclipse and VxWorkBench
* Electrical Tools: Oscilloscope, voltmeter and soldering
* Experience in I2C, Serial 232/485, modbus, Ethernet UDP and TCP/IP