

Contact

www.linkedin.com/in/abhishekkuntal26 (LinkedIn)

Top Skills

C
C++
C#

Languages

English (Native or Bilingual)
Hindi (Native or Bilingual)

Honors-Awards

Graduate Fellowship
IBM Innovation Award
Manager's Choice Award

Abhishek Kuntal

Cloud Development Engineer at Motorola Solutions
Chicago, Illinois

Summary

Cloud Engineer at Motorola Solutions.

Experience

Motorola Solutions

1 year 10 months

Cloud Development Engineer

July 2018 - Present

Chicago, Illinois

- 1) Built a self-service platform for seamless processing of the serverless request(AWS \& AZURE) and automated CI/CD for server-less functions, resulting in signification reduction of tickets and turnaround time for users from days to mins. (Python, NodeJS, Serverless-framework, OKTA, Boto3, Groovy, Jenkins)
- 2) Drastically reduced the time for enrolling servers in CyberArk(PAS) from a day to secs by creating a micro-service to automate the process and further integrated it with the IAC platform to improve efficiency and reduce overall turnaround time for server provisioning. (CyberArk, Python, JavaScript)
- 3) Co-developed a one-stop self-service app to enable user transparency to view metrics, cost and manage their multi-cloud resources etc. and leverage new cloud services etc. (Flask, Python, JavaScript, Bootstrap, React, OKTA, Swagger)
- 4) Developed a Single Page Application(SPA) to empower users self manage their Active Directory groups etc, resulting in the elimination of around 300 tickets per month. (NodeJS, Express, BootStrap, JavaScript, Python, LDAP)
- 5) Contributed towards building the Infrastructure as Code platform backend, wrote various micro-services and setup various data stores and their corresponding API's for better and efficient management of data and requests. (Python, PostgreSQL, DynamoDB, Groovy, Jenkins, Terraform, AWS Lambda)

Cloud Developer Co-op

January 2018 - July 2018 (7 months)

Greater Chicago Area

- 1) Designing and building micro services for the "Infrastructure as code" platform.(Python, Javascript, AWS Lambda)
- 2) Introduced Robotic Process Automation for manual process automation across sales, supply chain etc resulting in reduction of costs of over 50000\$ per year.(UIPATH, RPA).
- 3) Developed scripts to identify old legacy on-prem systems eligible for cloud migration or decommission.

New York University

Teaching Assistant

September 2017 - January 2018 (5 months)

Greater New York City Area

- 1) Teaching Assistant for the course of 'Design and Analysis of Algorithms'
- 2) Assist Professor Eugene Callahan in preparing Course Materials, Assignments and Quizzes as well as grading exams and solving student doubts regarding the course.
- 3) Regularly contribute to the course GITHUB page <https://github.com/gcallah/algorithms>.

Motorola Solutions

Devops Evangelist Intern

May 2017 - August 2017 (4 months)

Greater Chicago Area

Worked as a Devops Evangelist Intern in the AWS Cloud Automation Team.

- 1) Built a modular automated server provisioning tool with the front-end being an AWS-Lex based chatbot and an AI backend engine to make decisions on which requests to automate resulting in reduced turnaround time of 20 mins from 2-3 days for 98% of provisioning requests. (Python, Servicenow, AWS Services).
- 2) Created an information visualizer tool to pull up information from various monitoring tools and then gave recommendations on right-sizing compute servers. The recommendation given resulted in a 18% reduction in cost of compute servers resulting in around 50000\$ of annual saving on the account having 200 compute servers. (Python, Vistara, CloudCheckr, Trusted Advisor)

IBM India Software Labs

Software Developer

January 2015 - June 2016 (1 year 6 months)

Bengaluru Area, India

1. Designed and Developed the User Interfaces and various features for the Windows 10 IBM MaaS360 Secure Browser. Used C#, Xaml and followed MVVM architecture for the same.
2. Developed an on-device debug infrastructure for the Windows 8.1 Secure Mail Application
3. Wrote batch/python scripts to eliminate manual processes like updating the localization data for the apps.
4. Worked on the User interface and Experience of the next generation apps for the Windows 10 MaaS360 product suite.
5. Implemented a new notification workflow for the apps for better User Experience.
6. Was involved in the cross-group collaboration with the product and the test team to come up with the timelines and feasibility of the new features.
7. Designed and developed the following features for the product as part of side projects.
 - A Quick-dial feature for the email app which extracted numbers from the email/calendar description and gave the option to dial from the app. Also added a user behavior based learning mechanism to improve the choices of number combinations given.
 - A feature to give the option to add a meeting reminder based on the contents of the email.
8. Worked on improving the overall responsiveness, reliability and stability of the product portfolio by fixing bugs, refactoring and cleaning legacy code, solving memory leaks etc.
9. Handled customer escalations and issues and live debugged customer setups to provide quick support to a customers.

Softwares Worked With : C#, Xaml, Python, Batch, C++, XML, Sqlite, HTTP, Visual Studio, Wireshark.

Aricent

Software Engineer

July 2014 - January 2015 (7 months)

- 1) Working on the client side and handling customer escalations of various modules for the same. Worked on many Hot escalations talking to the customers directly and live debugging to resolve issues for the customer
- 2) Working on bug fixing on many modules like config, homologation, cli etc.
- 3) Took ownership of the MDNS module and solved various bugs for the same.
- 4) Worked with new team members and helped them to understand the product architecture and get ramped up quickly and effectively.

Juniper Networks

1 year 6 months

Software Engineer

June 2013 - June 2014 (1 year 1 month)

- 1) Worked on the SNMP module, added GET API's for CLI commands like ap_load, counters etc.
- 2) Implemented various end to end functionalities for the product software like the STAT, Config and CLI implementation for the controller for next generation access points etc.
- 3) Took ownership of the cli, config and homologation module and enhanced them to support the next generation controllers and access points.
- 4) Learned about the virtualization concept and got acquainted with various tools like VMware VSphere Client etc related to it.
- 5) Took initiative and learned about the Junos Virtualized application engine software and explained the working of the software to the whole team. Many projects were undertaken using the same software as its base.
- 6) Worked on bug-fixes to improve the overall reliability and stability of the products.
- 7) Handled customer escalations and live debugged to help resolve the issues of customers.

Documentation and Miscellaneous

- 1). Created the functional specs, design, test plan documents etc. for the functionalities added and supported.
- 2). Did various UT and sanity testing along with some feature testing for the product and of new functionalities added or supported.
- 3). Worked on the setting up of various equipment for various topologies for the team for various client issues.
- 4). Collaborated with a colleague and co-developed a consolidated lab equipment portal which the team used for equipment's handling and usage.
- 5). Learned and configured switches and controllers in a lot of different topologies. Learned about VLAN, DHCP etc.
- 6). Worked with the infrastructure team and was responsible for setting up of the infrastructure for the development of next-gen controllers and access points.

Softwares worked with – GDB, Vim, Cscope, VMWare Sphere Client, KVM, VMWare ESX, QEMU, Oracle Virtual Box, Junide, screen, cfree etc.

Intern

January 2013 - May 2013 (5 months)

Bangalore

1. Enhanced the software stack to improve the wireless simulator scaling by optimizing the code, virtualization, resulting in the simulator scaling to 250 access points and 2500 clients up from 100/500 on the same hardware. Created a document for the same for people to use it more effectively and easily.
2. Worked with peers to make a prototype for a demo which was presented to the VP of the business unit.
3. Ported a part of the Junos codebase to the MSS codebase of the product software for a demo showcasing the virtual capabilities of the MSS software.

Tata Consultancy Services

Intern

June 2012 - July 2012 (2 months)

Bangalore

1. Worked on the IBM WebSphere Portal Software and got acquainted with its working.
2. Also got acquainted with the deployment procedures used by the TCS and the various process involved leading to the deployment
3. Created documents for the customer and was involved in the creation of Functional Specs and test plan.

Education

New York University

Master's Degree, Computer Science · (2016 - 2018)

Manipal Institute of Technology

BE, Computer Science · (2009 - 2013)