

Ashish Kumar

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Career Objective

I am keen to build my software development and testing skills and experience in a challenging profession environment. I intend to build a career with such a corporate where I can explore myself and maximize my potential with committed and dedicated people.

Summary of Qualifications

Result-oriented, high-energy, hands-on professional, with a successful record of accomplishments in the software development and testing field. Currently associated with innovations team of Deloitte and working on emerging trends like **Robotics and Cognitive Automation ,Blockchain, IoT, Machine learning, Bigdata analytics** etc. I have excellent knowledge of **functional testing tools like Selenium, Tricentis Tosca, Robot Framework, Desktop automation tools like AutoIT, Sikuli**. Also I have excellent knowledge about **Full Stack (MEAN) Development and Module generator like Yeoman and also** popular Devops tools like **IBM Bluemix, Google Cloud Platform and Visual Studio** etc. Apart from development and testing activities I'm also doing market research and gap analysis about emerging technology, tools and identifying current business trends and also providing product demo to different business teams.

Skill Summary

- Robotics and Cognitive automation
- Blockchain (Multichain, IBM Blockchain)
- IOT (Predix)
- Product Support
- Robotics Process Automation
- Gap Analysis
- Machine Learning
- Software Testing (Functional and Non-functional)
- Market Research
- HTML5, Bootstrap, CSS, Angular, NodeJS, MongoDB
- Sentimental Analysis

Professional Experience:

Senior Software Engineer at Exela Technologies, Pune (December 2019 - Present)

Internet of things (Technology)

A. Profile Summary

- Development of Smart workspace application by using MEAN Stack framework and Bin Sensors.
- Python script implementation to simplify some complex processes and test data generation for app testing.
- Implementation of front end of the application using Angular 8 programming language and endpoints and API's using NODEJS.

B. Project Experience

1. Smart-workspace management application

Environment: Angular 8, NodeJS, MongoDB, D3 Charts,

Duration: 2 months - Present

Role: Senior Software Engineer

Description: Working on development of smart-workspace application. This application will be build using MEAN stack and some sensors which will directly integrated with this application through Azure platform. Sensors will send the data to Azure and those data will be visualized directly on the application's Dashboard.

2. Automation for test data generation using python scripting

Environment: Python

Duration: 15 Days

Role: Senior Software Engineer

Description: Build on python module which can generate large amount of unique test data which will be used by the performance testers to test the application as per request by the testes in rapid speed.

Consultant at Deloitte India, Pune (August 2018 – December 2019)

Risk Advisory (Cyber Risk Innovation)

A. Profile Summary

- Development of Next-Gen Automated solutions like chatbots and RPA bots using emerging technologies and tools.
- Innovation in Robotics and Cognitive automation using ML and Python Scripting.
- POC and POV development for the Clients.
- Providing Product demo of application to various business lines tea

B. Project Experience

1. Sentimental Analysis of customer reviews with UiPath and Python Scripting

Environment: UiPath, Python

Duration: 3 months

Role: Senior RPA Developer

Description: : worked on pilot development of an intelligent BOT which is used for sentimental Analysis of customer review that reduces a lot of manual efforts put by human to understand the customer feedback report and update the extraction on dashboard. Created values by handling all the processes including conversion, cleaning, extraction and scoring from customer feedback. Python script written using libraries like pandas, numpy, Genism, NLTK, Skicit-learn and other packages for extracting the best results and scoring them.

2. Resume parsing tool for HR

Environment: Automation Anywhere, Machine Learning, Python

Duration: 3 months

Role: Senior RPA_Developer

Description: : worked on development of Resume parsing and Scoring Tool that reduces HR efforts and cost on Hiring Process, end to end conversion, parsing and scoring for resumes. Created values by handling all the processes including conversion, cleaning, extraction and scoring according to Job description. Model development using pandas, numpy, Skicit-learn, spacy, geotext ,NLP and different statistical packages for identifying Best Match Resume according to job description.

3. Automation of material review process for multinational pharmaceutical company

Environment: AWS, Blue Prism, Python

Duration: 6 months

Role: Senior RPA Developer

Description: Developed an end to end automation solution for Material Review Process in Japanese language. The process involved interaction with browser based, Excel, pdf applications, PowerPoint, MS Word in AWS environment. This process involved use of Python in some major steps to deal with pdf documents to reduce the time taken by bot for the process and also to increase accuracy. It was designed in such a way with the help of work queue that if the bot terminates at any stage, the process can be re-started & the bot can pick up from where it left basis the transaction history this increased the solution's accuracy and efficiency of the automation solution.

4. **Chabot to book timesheet**

Environment: ElectronJS, MongoDB, NodeJS, Chat – Bubble (JavaScript), Blue prism

Duration: 1 months - Present

Role: Consultant

Description: Developed a desktop Chabot using ElectronJS, Bubble JS and NODE JS which can directly interact with users to collect the information about their current engagement time details and save the chat history to Mongo DB. In Later Part, through Chabot the RPA processes/ Tasks will be triggered based on the information collected by the user.

Technology Analyst at Infosys limited, Pune (August2014 - August2018)

ADI-IVS (Accelerate Distributed Innovations - Testing)

A. Profile Summery

- Development of Next-Gen Testing solutions for trending technologies like Blockchain, Robotics Process Automation, IoT, Data Testing using Machine Learning.
- BlackBox and WhiteBox Testing of Application.
- POC creation for Clients using testing solutions which we have developed.
- Providing Product demo of internal tools to various business teams.
- Providing product support to various clients' project team.

I'm also working with Trends Research Team. This team delivers Industry and Technology Specific Thought Leadership to Infosys Business Units and Clients by combining our ability to identify insights and apply emerging technology themes to conceptualize innovative ideas to future proof client organizations. And As a Trends Analyst, I am involved in the following:

- Identifying business trends.
- Document innovative use of emerging technologies across industries and value chains.
- Market Sizing of any specific technologies.
- Market Adoption of emerging technologies.
- Contextualizing industry specific technology initiatives for other industry sectors.

B. Project Experience

1. Blockchain for Letter of Credit

Environment: AngularJS, Bootstrap, MongoDB, NodeJS, Multichain

Duration: 15 months

Role: Software Developer

Description: This aim of this project is to reduce cost, time and increase the transparency between all participants, lowering the margin of error and risk. Trade finance market is

currently dominated by paper-based methods, such as letters of credit, and the participation of suppliers, exporters, importers, insurers and all other contributors adds to this paperwork. In this project we have used multichain API's and changed the process flow entirely so that flow can speed-up.

2. Blockchain Testing Framework

Environment: AngularJS, Bootstrap, MongoDB, NodeJS, Multichain, IBM Blockchain, Hyperledger

Duration: 15 months

Role: Software Developer and QA Engineer

Description: This framework is developed for testing of Blockchain applications. This framework has two modules first module is for multichain platform and second module is for IBM blockchain. This framework also contains API Testing feature.

3. Robotics Process Automation Testing Framework

Environment: AngularJS, HTML5, MongoDB, NodeJS, Selenium, Sikuli, AutoIT

Duration: 15 months

Role: Software Developer and QA Engineer

Description: This Project is all about application of Robotics process automation in testing area. There are two scope of this project first is to identify the QA process where we can apply this technology and second is to test the Bots which is created by using some Robotics tools. For Web related task this tool uses Selenium and for Desktop related task it uses AutoIT and Sikuli.

4. ML Based Testing framework

Environment: AngularJS, Bootstrap, MongoDB, NodeJS, R Studio, Python, Shiny

Duration: 8 months

Role: Software Developer and QA Engineer

Description: This aim of this project is to validate the data which are coming from several sources. Validation of data contains validation of tables which is present, Type of data, Columns validation, Data pattern validation etc.

C. Extra Activities

Zero-Bench Activity Infosys

Zero Bench is an internal app that will allow existing Infosys employees to apply for projects taking place within the company that suit their skillsets. I completed 8 projects by using this Application

- Has done around **web-services testing of Infosys Gamification Platform by using Microsoft Visual Studio and also done Load Testing for the same.**
- Created various analysis reports on emerging technologies like (Machine learning, Next Generation test automation tools, internet of things) which is used by iCETS, Infosys labs team.

D. GitHub Contribution / Personal Blogs

Apart from these activity I have developed some Next-Gen Solutions which can be used anywhere. Some of this solutions are still in development phase and some of them are fully completed. Link of GitHub Repository: <https://github.com/ashish9308>

Personal Blog: <https://ashishkrblogs.wordpress.com>

Education

Dr. B.C Roy Engineering College, Durgapur

Bachelor of Technology (B.Tech.), Computer Science, 2014

St. Xavier's College, Ranchi

Intermediate in Science, 2009

St. Aloysius's High School, Ranchi

Matriculation, 2007

Certifications

- UiPath Certified RPA Developer
- Workfusion Diploma Certified by Automation Academy
- IBM Certified Application Developer - Cloud Platform v1
- MongoDB for NodeJS Developers
- IBM Certified Blockchain Essentials for Developers
- Tricentis Certified Profession

Awards/ Affiliations

- Certificate of Appreciation- Move the DOT – FY1 2020
- Selected for Deloitte Young Leadership advisory council for Innovation
- Certificate of Appreciation-Insta Award -2017
- Domain / Tech Champion (IVS Awards for Excellence Infosys 2016 Q1)
- Domain / Tech Champion (IVS Awards for Excellence Infosys 2016 Q2)
- Infosys Pune DC Winner-Global Hackathon (Testing track)-2016
- Certificate of Appreciation-Insta Award -2016
- Certificate of Appreciation-Insta Award -2016
- Certificate of Appreciation-Insta Award -2015