Prashant Kabra

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TECHNICAL SKILLS

Programming Language: Java, C#
Testing Tools: Selenium WebDriver, Appium, JMeter, TestNG, JUnit, Postman, Blazemeter
Cloud/CICD Services and Tools: Jenkins, AWS, Azure, CircleCI, Packer
Containerization/Orchestration technologies and tools: Kubernetes, Docker, Terraform
Web Technologies: Jekyll, JavaScript, Angular, Node.js, Bootstrap, Spring Boot, HTML5, (S)CSS

WORK EXPERIENCE

Isobar Inc., Boston, MA   **September 2019 – Present**
Test Automation Developer
- Participated in multiple projects for various web and mobile applications
- Developed automated test scripts derived from complex business and functional requirements
- Developed and maintained Page Object Model (POM) based automation-testing framework utilizing Java, Selenium WebDriver, TestNG, and Maven
- Efficiently performed smoke, functional, regression, integration and ad-hoc testing
- Identified risks, and reported issues by utilizing knowledge of the test automation, development & QA process, and build-release engineering
- Implemented and maintained cloud based testing infrastructure utilizing various AWS services (EC2, Security groups, VPCs, S3, SNS, etc.) to execute remote jobs
- Created Continuous Integration (CI) testing pipeline using Jenkins and EC2 instances to manage remote tests execution
- Implement Postman collections to perform API testing and setup Runscope tests for hourly API monitoring smoke tests
- Efficiently logged detailed bugs reports and investigated bugs root cause to assist faster turnaround on fixes using various tools (browser devtools, postman, splunk logs, etc)
- Actively participated in all the activities related to Agile development model and in all phases of Testing Life Cycle, including requirement analysis, test plan generation, test case development and execution, defect analysis, logging and verification.
- Lead responsibilities, including training and supervision of junior-level testers and interns
- Developed training materials and user documentation
- Developed a new tool to perform automated web analytics testing, verifying analytics scripts presence as well as tag-value pairs triggered on different user actions reducing manual efforts and increasing to multi domain coverage every release
- Technologies used: Java, Selenium Webdriver and Grid, TestNG, Maven, AWS, Jenkins, Postman, Runscope, Splunk logs, Git

Isobar Inc., Boston, MA   **September 2018 – December 2018**
Intern
- Worked on one of the largest car rental companies' websites project, developing automated test scripts derived from complex business and functional requirements utilizing Selenium Webdriver, JUnit, Maven and Jenkins
- Performed smoke testing, functional and regression testing
- Efficiently analyzed, reported, logged, and tracked defects using Jira
- Release Management responsibilities included regression testing and managing various test environments using Jenkins CI
- Participated in regular QA Team meetings, Project meetings and discussions, stand up meetings
- Technologies used: Java, Selenium Webdriver, JUnit, Maven, Jenkins, Postman, Git

Accenture Services, India   **August 2014 – January 2016**
Associate Software Engineer
- Worked on a SAP project for a multibillion mining company as a part of the development and support team
- Developed new enhancements for an existing client system every month using SAP modules of Material Management and ABAP
- Collaborated with functional team, QA team and client to reproduce bugs, verify functionality and fix issues in the system
- Technologies used: SAP modules of Material Management, Freight Management, ABAP

EDUCATION

Northeastern University, Boston, MA   **September 2017 – June 2019**
Master of Science in Information Systems
Courses: Adv. Data Structures & Algorithms, Application Engineer & Development, Web Development & Tools, Network Security and Cloud Computing, DevOps

Mumbai University, Mumbai, India   **August 2010 – August 2014**
Bachelor of Engineering in Computer Engineering
Courses: Data Structures & Algorithms, System & Network Security, Database Management

ACADEMIC PROJECTS

Kubernetes based hybrid cloud web application using terraform   **May 2019 – July 2019**
- Used terraform to setup kubernetes cluster environment on AWS and Azure
- Deployed a stateful Reactjs/Spring Boot web app on hybrid cloud environment consisting of k8s clusters on AWS and Azure
- Developed CI/CD pipeline to build and push new docker image using CircleCI and Azure Pipeline for webapp code repositories

Insurance Policy Management System   **January 2019 – May 2019**
- Implemented REST API application in Spring Boot to perform CRUD operations of policies with token based authentication
- Used Key-Value store, Redis, to store data in decomposed form
- Implemented Elastic search with logstash to facilitate efficient data searching

Devop Strategies & Cloud Integration for Java Backend   **January 2019 – May 2019**
- Automated creation of AWS resources via AWS Cloudformation to host REST APIs written in Spring boot
- Configures Autoscaling groups and designed Security Groups to control traffic to resources like EC2 and RDS
- Automated the creation of custom AMI images using Packer and CircleCI
- Managed hosted zones using Route53 and designed CI/CD pipeline for faster delivery using CircleCI and AWS CodeDeploy
- Integrated AWS services like DynamoDB, RDS, Lambda, ELB, Cloudwatch, SNS, SES, etc.
- Designed routing policies to map https request to ELB and IAM Roles to restrict access to resources such as S3 bucket

Online coffee ordering Web Application   **January 2018 – May 2018**
- Developed an online coffee ordering application to search and order a coffee from nearby cafes
- Used Angular 5 for front-end and NodeJS with express as back-end along with MongoDB for storing data
- Used Google APIs to find cafes nearby using geolocation or address

01 Knapsack using Genetic Algorithm   **September 2017 – December 2017**
- Developed an algorithm in Java to solve 01 Knapsack Problem using Genetic algorithm
- Implemented mutation and crossover of genotypes for breeding. Used random class to decide both crossover point as well as mutating gene
- Added parallel processing where each thread divided independently on sub colonies and returned its best candidate

Global Stock Investment System   **September 2017 – December 2017**
- Developed a Java Swing application to help people invest in Global stock markets and get free expert advice
- Used APIs to get live stock prices as well as to get real time Forex rate
- Implemented viewing stock history of multiple stocks and trends of stock investment using JFreeCharts Library
- Used JasperReport Library to generate invoices to keep investment records