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EDUCATION:

M.S in Software Engineering, San Jose State University, San Jose CA

Achievements:

Automated the Manual Test process of Ernst & Young Auditors by Developing Award Winning Tool on Java Framework with 0 bugs in UAT and Production Environment. Achieved 100% Client Satisfaction by Wining Spot Award by CPO of the Company.
Successfully Build Automatic Testing Tool for Tax Calculator on Selenium that has saved 20% of the Cost earlier given by Ernst & Young to Auditors for Tax Calculation Testing
Boosted the NodeJs Taxi-Service Application performance by 12-15% by using Connection Pooling and Redis for Caching Management. Observed the Performance by Meter Testing for 10,000 User Request at a time.

TECHNICAL SKILLS:

Programming Languages & Databases	**:**	Java, JavaScript, C#, MySQL, NoSQL, Python
Web Technologies	**:**	Node.js **,**AJAX, Bootstrap, JQuery , JSON, HTML5 , CSS , REST web services, Junit AngularJS, RabbitMQ, JDBC, Spring, MVC, AOP, TestNG
Software Tools	**:**	Eclipse, GIT, Visual Studio, JMeter, TFS, Selenium, JIRA, Bugzilla, Appium
Summary / Key Areas	**:**	Java, JavaScript**,** SQL, Jenkins(Basics), AWS

Professional Experience (3 Years) Jan-2012 to July-2015

CRISP - Country Requirements Including Scoping and Pricing (Client - Ernst and Young (TAX Portfolio))

- Responsible for Deploying and Testing Web Application by creating Test Plans, Test Cases and automation script for testing complex functionalities of tool which Auditors use for calculating discount taxes to there clients.
- Technologies Used **-** Java, Sql, HTML, Selenium, JUnit

MS-NAV (MNAD) Administrative Dashboard (Client - Ernst and Young (Finance Portfolio))

- Designed, wrote, and executed system-wide test plans and test case suites for automation test frame components
- Interpreted and converted manual test cases into automation smoke and regression suites.
- Technologies Used : Java, JavaScript Selenium Automation, JUnit and SQL for Database Testing

ACADEMIC PROJECTS

Web & Mobile Automation Testing 2016

- Performed automation testing for a Movie Booking website.
- Wrote test scripts for Movie Search - Check if Movie search is working with 'Flexible' dates options.
- Used Mobile Automation Framework Appium to test the App
- Social Media Links – Check the presence of social media icons and broken links if any.
- **Technologies Used**: Java, **Selenium Automation** and **Bugzilla for Reporting Bugs**

UBER Application Prototype Using REST 2016

- Successfully Designed a scalable and robust 3 tier application with modules – Customer, Driver and Admin using **Node.js,** Angular.js, HTML 5, REST services, JavaScript
- Used RabbitMq for Decoupling Client and Server, Redis for SQLCaching, and Connection Pooling to improve the performance by 12-15%. Successfully Tested application using the JMeter for 10,000 requests and 100,000 billing records
- Also, implemented Dynamic price surge algorithm in cases when the demand outstrips supply of the drivers

Mobile Sensor Cloud 2016

- Deployed Mobile Sensor Cloud NodeJs application on AWS Cloud and Amazon AWS EC2 instances that provides the real time analytical information related to Air Quality by using breezometer API
- Done Load Balancing Using Round Robin and Least Connection Algorithm and shown Business Values in Highcharts using Java script by taking JSON data from backend
- Jenkins for Cloud Deployment and Testing
- Tested cloud-based mobile sensor across multiple platforms touching the full stack across the web.
- Tested the application through Python Script and Validation of Data using python scripts.
- Wrote Automation test cases using Selenium WebDriver using Python API