

# ASHWIN SAXENA

Orlando, Florida | +1 (469) 994-3504 | [ashwinsaxena47@gmail.com](mailto:ashwinsaxena47@gmail.com)

Portfolio: <http://iamsaxena.com/> | Github: <https://github.com/ashu20red> | LinkedIn: [www.linkedin.com/in/ashwinsaxena/](http://www.linkedin.com/in/ashwinsaxena/)

---

## SUMMARY

A Software Engineer Professional with 3.5+ years of experience in Full-Stack Development, Configuration Management, Change/Release/Build Management, Automation Testing and AWS Cloud Architecture

## WORK EXPERIENCE

**Software Automation Engineer 2 at AAA National**, Orlando, Florida, US Jun 2019 – Present

- Developing automation frameworks using Java, Selenium Web Driver, TestNG and Maven for D3 Web and Mobile Applications which **collectively service over 60 million customers across North America in AAA**
- Delivering services in Business Functionality, End-to-End, Regression and **Performance Testing for D3 Call Receiving and D3 Dispatch web applications**
- Writing test plans in Zephyr, defining test scenarios and test cases, developing and maintaining test scripts and collaborating with Manual Testing Team in QA in tracking bugs using JIRA
- Working in Git and Jenkins for Continuous Integration and for End-to-End automation for build and Continuous Delivery
- **Skills:** Java, Selenium, TestNG, Maven, Appium, JMeter, Zephyr, Git, Jenkins, JIRA

**Machine Learning Engineer at InfoVision**, Dallas, US Mar 2019 – Apr 2019

- Developed an accidental collisions detector for cars using Deep Learning and Computer Vision Algorithms: Mask R-CNN (Convolutional Neural Network) **increasing the processing speed of real-time images and accuracy of the model**
- **Skills:** Python, OpenCV, TensorFlow, AWS

**Software Engineer Intern at Lanvera**, Dallas, US Oct 2018 – Dec 2018

- Maintained CI (Continuous Integration) environments with build automation tools like Jenkins, Bamboo and TFS and extensively used Jenkins to **streamline CI/CD process**
- Implemented stored procedures, triggers and post deployment scripts for company's core database services
- **Skills:** C#, .NET Framework, ASP.NET MVC, Microsoft SQL Server, Jenkins

**Data Scientist Intern at Autodesk**, San Francisco, US May 2018 – Aug 2018

- Designed a serverless web application for alerts suppression and monitoring maintenance by deploying on Amazon Web Services (AWS) resulting in **25% more alerts compression rate and reducing 200+ man-hours**
- Developed an architecture to reduce the dependencies on database, storage and credentials using Amazon Web Services (AWS) Kinesis and SageMaker **improving alerts compression rate from 63% to 70%**
- Documented POC for replacement of Big Panda, an automated machine learning (unsupervised) tool that intelligently correlates alerts from monitoring tools: Catchpoint, Dynatrace and HP SiteScope
- **Skills:** JavaScript, Node.js, AWS Lambda, DynamoDB, API Gateway, S3, REST API, JSON, JIRA, Docker

**Software Engineer at Medicento**, Bangalore, India Jul 2017 – Dec 2017

- Designed an E-commerce serverless web application for healthcare startup and customer web form for doctors and pharmacies by deploying on Amazon Web Services (AWS) using Amazon S3, DynamoDB and Lambda
- Designed dynamic UI modules using HTML, LESS, Angular.js and Bootstrap. Utilized JSON for accessing data from Angular services to Node.js APIs
- Documented architecture for business to customer (B2C) model using Object Oriented Design principles
- **Skills:** Java, JavaScript, Angular.js, Node.js, AWS, REST API, JSON

**Software Engineer at SmartAnalyst**, Gurgaon, India Mar 2015 – Jun 2016

- Prototyped an average of **25 new product features** in all phases of SDLC including Analysis, Design, Development, Documentation, Testing, Deployment, Version Control and Production Support
- Deployed intuitive front-end systems for healthcare databases for physicians and care providers across the US and Europe by customizing and internationalizing reports which **resulted in 40% increase in sales**
- **Skills:** Java, JavaScript, D3.js, jQuery, JSON, AJAX, Linux, Git

**Software Engineer Intern at SmartAnalyst**, Gurgaon, India Sep 2014 – Mar 2015

- Deployed SMART Platform-web forecasting software and **supported release activities for two versions**
- Contributed extensively to its business logic, user cases, test cases and **fixed 256 bugs successfully**
- Created dashboards that featured details like dynamic epidemiology, trend analysis, event impact summary, sales projection and collaborators
- **Skills:** Java, J2EE, Spring MVC, Hibernate Framework, REST, SOAP API, Microsoft SQL Server, JSP, HTML, CSS, XML, Linux

## EDUCATION

**The University of Texas at Dallas**, TX, US | GPA **3.20/4** Aug 2016 – Dec 2018

- Master of Science in Computer Science (Data Science & Machine Learning)

**Ramaiah Institute of Technology**, Bangalore, India | GPA **8.73/10** Sep 2010 – Jun 2014

- Bachelor of Engineering in Chemical

## **TECHNICAL SKILLS**

Public Cloud Platform : AWS: Lambda, API Gateway, EC2, S3, Cloud Watch, Auto-Scaling, IAM roles, Cloud Formation  
Programming Languages : Java, C++, Python, C#, VB.NET  
Frameworks : Hibernate, Hadoop  
Databases : MySQL, SQL Server, SQLite, MongoDB (2.6.6), Oracle, DynamoDB  
Web Development : Angular.js, Node.js, JavaScript, HTML5, CSS3, JSP, Servlets, Bootstrap, D3 Application, jQuery  
Automation Tools : Jenkins, Docker, Kubernetes