ASHUTOSH TIWARI

SOFTWARE QA LEAD | +91-8217643406 | pyopt@outlook.com | LinkedIn | motoashu.com | GitHub | Bengaluru, India

12+ years' experience | **Scrum Master, DevOps Eng, QAE** with expertise in - implementing & managing Cloud (AWS) based solutions, CI/CD Pipelines | Led teams of 10-15 people across technology & business divisions | Formulated API's Tests and Scrum artifacts.
Domain competence: E-Commerce, Logistics, Mobility (Rugged Mobile Computers/Scanners), Automotive, Travel & Tourism
Certified: PSM-I | CSM | CKA | LFCS | AWS -CLF-C02(Cloud Practitioner)

KEY MANAGERIAL SKILLS

Project Management | Backend Engineering Deployments | System Installation & Diagnosis |Issue Resolution |Agile -Scrum, TDD | Cloud Security | Periodic Report Generation | Validation & Verification | Configuration Mgmt | Test Planning | Test Management

TOOLS & TECHNOLOGIES

Scripting Language: Python | **Container Platform:** Docker | **Cloud:** AWS-EC2, CloudWatch, ECS, API Gateway, Route53, Dynamo DB, Redshift, CloudFormation | **Architecture:** Event-Driven, Monolith, Microservices, Serverless | **Version Control**: Git, GitHub
CI/CD: Jenkins. Ansible, Terraform | **Orchestration**: Kubernetes **| Project Mgmt:** Jira | **Platform:** Linux (Ubuntu, CentOS)
Database Mgmt System: PostgreSQL, Mongo DB | **Monitoring:** Grafana, Prometheus, **API:** Postman, Requests, Robot Framework

WORK EXPERIENCE

QA Lead Engineer **| Zebra Technologies Corporation**   Bengaluru (India) | **10/2019 - 09/2023**
- Engineered Continuous Delivery systems, led to improvement in ship time by 25%| Deployed, orchestrated 25+ S/w components
- Accelerated application deployment and validation phases by using Python, AWS Batch, Fargate, RedShift & AWS OpenSearch
- Collaborated with PMOs, stakeholders & fellow engineers to design & incorporated infra solution used by 20k+ end users
- Overhauled & improved Agile practices & values which increased the team velocity by 60 % & productivity by an avg of 8%

Sr Software QA Engineer **| Innoviti Payment Solutions**   Bengaluru (India) | **04/2019 - 09/2019**
- Constructed an API automation sanity test to run prior to every deployment to shorten the testing time by 70%
- Conducted acceptance tests, Power Mgmt. & Performance tests for JPOS web server payment gateway production releases
- Facilitated development team to understand requirements and alter test scope dynamically to find more defects

Sr Software QA Engineer **| VeriFone Technologies**   Bengaluru (India) | **02/2017 - 10/2018**
- Crafted highly detailed end-to-end scenarios for Honeywell Swift Decoder SDK & VeriFone ADK, facilitating seamless decoding of 1D and 2D barcode symbologies; increased scanning accuracy by 15% and accelerated decoding time by 25%
- Facilitated Scrum ceremonies - daily stand-ups, backlog grooming, sprint planning, retrospectives with offshore (in *Berlin*) team
- Spearheaded the re-write of regression test cases and reduced 70% of total test cases count in the functional cases test suite

Sr Software QA Engineer **| Motorola Solutions (via Winfoware Technologies)**   Bengaluru (India) | **09/2014 - 01/2017**
- Developed ~100 automation scripts using Python + Robot Framework for android mobile apps and web application APIs
- Headed & pioneered the APIs validation for one of the Motorola SDK libraries dealt with Payment modules on mobile computers
- Gained deeper insight into 20+ applications and infrastructure behavior by monitoring the n/w and app level system logs

Software Engineer-I **| Mercedes-Benz R & D (via Wit Innovation Technologies)**   Bengaluru (India) | **12/2011 - 09/2014**
- Coordinated A & C-Class Head Units system testing for Media & Bluetooth connectivity profiles with a 95% success rate
- Standardized - Car Infotainment Test Plans, Test Cases, Daily Status Reports, leading to a 20% increase in productivity
- Wit Innovation (12/2011-03/2012) - Co-ordinated the Lead QA tester with the creation of the master plan, writing 40% of the functional/non-functional test cases. Identified, analyzed, and documented defects in 20+ mobile (Android/iOS) applications

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA) | *By Linux Foundation & Cloud Native Computing Foundation*
- Professional Scrum Master (PSM-I) | *By Scrum.org*
- Certified ScrumMaster (CSM) | *By ScrumAlliance.org*
- AWS Certified Cloud Practitioner (CLF-C02) | *By Amazon Web Services, Inc.*

PROJECTS (MORE PROJECTS LINK!)

- **Smart Pack:** A logistic solution for FedEx, provides real-time and historical trailer loading info using RGB camera & 3-D sensors
- **Video On Demand:** Video streaming app for 'Republic Services' to show detailed recycling &hazardous waste treatment process

EDUCATION

BTech - Information Technology | ABES Engineering College (UP) | 2011