Utpal Bura Gohain

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MY INTRODUCTION

An enthusiastic **software professional offering 14 years of IT experience in the field of Development, Mobile/Web Automation and Application Security Testing on Mobility and Web platform.**

Aspiring to establish a career in a growth-oriented organization to utilize acquired skills and knowledge in achieving organizational goals, while attaining personal and professional growth; provided an opportunity for enhancing learning graph and career advancement.

CAREER SYNOPSIS

- Currently working as Test Lead in Maersk Global (A.P. Møller – Mærsk A/S) from October 2020
- Worked as Product Architect (Automation Testing) and S**ecurity Test lead** at **Philips Lighting India Pvt Ltd** from 2011 till date.
- Worked as QA engineer at Mportal Wireless solution from 2007 till 2010.
- Worked as Senior Software Test engineer at Antenna Software from 2010 till 2011.

AUTOMATION SPECIALTIES:

- Expertise in test automation tools in Selenium, Appium, Google Espresso and **Flutter driver**
- Expertise in developing test frameworks in Selenium, Appium with CD/CI.
- Expertise in testing of iOS, Android, Windows Mobile Platform apps.
- Expertise in testing of API testing using Postman/**Pytest**/Rest-assure.
- Expertise in testing of angular web applications on various browsers.
- Expertise in developing the test plans and test cases, and logging & maintaining track of bugs in Bugzilla/JIRA testing and certifying software products
- Expertise in working closely with customer during Requirement analysis, UAT
- Expertise in conducting the scrums and maintaining the agile boards.
- Expertise in test management tools.

SECURITY TESTING SPECIALTIES:

- Certified Ethical Hacker 9.0
- Pursuing OSCP (Offensive security certified Professional)
- Performed research, analysis and testing of network and application vulnerabilities
- Documented detailed penetration test reports.
- Performed Web-application/Network/Port/Wireless Vulnerability scanning using Metasploit and Kali Linux.
- Exploited web application vulnerabilities such as cross-site scripting, SQL injection, directory traversal, man-in-the-middle attacks, authentication bypass, and command injection
- Generated custom doc/pdf files that tests for the existence of vulnerability.
- Examined network captures (PCAP files), IDS/Honeypot logs for vulnerabilities.
- Worked extensively on Reverse Engineering Android and iOS binaries exploits.
- Extensive knowledge on OWASP Top vulnerabilities.
- Worked extensively on Mobile Application Pen testing by Developing proof-of-concept exploits.

TECHNICAL SKILLS:

Testing Framework	Page Object Model, Page factory
Mobile automation Testing Tools.	Appium, Google Espresso, Android UI Automator, Test NG, Android SDK, iOS UI Instrumentation, **Flutter driver**
Programming Technologies	Core Java/**Flutter**-Dart/**Python**
Web Testing tools	Selenium, Postman, REST API Testing, Pytest JMeter.
Security Testing tools	Kali Linux, MetaSploit, Drozer, Reverse Engineering Tools, OWASP 2014/2016, MobSF, Quark, Ando Guard, iRET and Snoop IT
Version Control	SVN, Git
Operating Systems	Windows XP, Windows 7, Mac OS X 10.9
IDE	Eclipse, Android Studio, intellij, NetBeans, XCode
Program Management	Estimation, Metrics Reporting, Mentoring trainees, Automation coach
Continuous Integration	Jenkins
Test Management Tool	Jira
Agile framework	SAFe®

- Awarded **Certificate of Excellence** for the automating the monotonous work which was done by the team.
- Awarded **Certificate of Excellence** for Security Assessment which resulted in **productivity improvement by exposing many security flaws.**
- Received **spot award** for performing quick analysis on the root cause of core dump issue, which prevented the extremely time sensitive deployment. Timely analysis of the issue and conclusion that the issue is not related to application made the build team to continue the deployment preventing business loss.
- Received customer appreciation for **zero UAT defect for three consecutive releases**

Mobile Web Based Solution: Store-Wise

Client: Philips Lighting.
Team Size: 2(Offshore)
Duration: Oct 2015 – Dec 2016
Tools and Technology: Appium, Test NG Framework, Jenkins.
Project Description: Mobile Web Based Solution for controlling the Lighting management system for stores.

Contribution
- **Automated 150 Test cases.**
- **Managed Jenkins build jobs, build and deploy application in Server through Continuous Integration.**
- Security assessment and Penetration Testing.
- Requirement Analysis, Preparation of test plan and estimation of time for test execution.
- Test Design and Coverage report.
- Documentation and artifact management.
- UX/UI validation.
- Release management and checklist.

Personal Control App(PCA)

Client: Philips
Team Size: 2
Type: Automation testing
Duration: Aug 2014 Onwards
Tools and Technology: Google Expresso, Appium, Jira, SVN, Jenkins, Jmeter

Project Description: PCA is the latest mobile based control application from Philips. It is a self-configuring application that provides control options for lighting, HVAC from a single point. Using visible light communication or QR code input it can control the pre-commissioned Connected Lighting system. A professionally installed Philips Connected Lighting system is a pre-requisite for use of this app.

As Lead and Individual Contributor
- Planning the QA strategy and establishing a process to be followed.
- **Automated Test cases.**
- Automating regression scenarios using **Google Expresso, Android UI Instrumentation in Android Instrumentation framework.**
- Requirement Analysis, Preparation of test plan and estimation of time for test execution
- **Perform Security testing and Penetration Testing** found many security flaws.
- Cross platform testing and Device testing (IPad, IPhone, and Android device).
- Performance testing using **Jmeter**.
- Mentoring newly joined trainees.
- **Managed Jenkins build jobs, build and deploy application in Server through Continuous Integration.**
- **Published the release IPA and APK in the test flight and google beta store.**

Hue, Professional Wireless LED Lighting

Client: Philips
Team Size: 4(Offshore), 2(Onsite)
Type: Automation Testing.
Duration: Jun 2015 – Jul 2016
Tools and Technology: Robotium, Android UI Instrumentation, Jira, SVN, Jenkins, Jmeter

Project Description: Philips hue combines brilliant LED light with intuitive technology. Then puts it in the palm of your hand. Together, the bulbs, the bridge and the app will change the way you use light. Forever. Experiment with shades of white, from invigorating blue/white to cozy yellow/white. Or play with all the colors in the spectrum.

As Module Lead and Mentor
- **Automated HUE SDK Test cases.**
- **Perform Security testing and Penetration Testing** found many security flaws.
- **Managed Jenkins build jobs, build and deploy application in Server through Continuous Integration.**
- Preparation of test plan and estimation of time for test execution
- Automating regression test case in Robotium and UI Instrumentation in Android Instrumentation framework
- Communicating with Onsite coordinator
- Mentoring newly joined trainee

OCA Tool commissioning software

Client: Philips Lighting

Team Size: 1(Offshore)

Duration: Jul 2014 – Sep 2015

Tools and Technology: Google Espresso, JMeter

Project Description: Lighting Commissioning tool to Commission the Firmware for Lighting Lumen

Contribution
- **Automated 200 Test cases.**
- **Security assessment and Penetration Testing.**
- Requirement Analysis
- Documentation
- Preparing and executing test cases.
- **Managed Jenkins build jobs, build and deploy application in Server through Continuous Integration.**
- **Published the release IPA and APK in the test flight and beta store.**

EDUCATIONAL QUALIFICATION

⇒ MCA in Computer Science Engineering from Anna University (aggregate: 70%)

CERTIFICATION

1. *Certified Ethical Hacker(9.0)*

2. *Oracle Certified Java Associates (Java SE 7)*