**Yildiray HAZIR**

[yildirayhazir@gmail.com](mailto:yildirayhazir@gmail.com)  | San Jose, CA,95008 | (831) 293-3686 | [linkedin.com/in/yildiray-hazir](https://www.linkedin.com/in/yildiray-hazir/) |

Web Server and Mobile application Automation Test((Appium/Selenium) Developer, QA Tester on Smart Display Devices for Android & iOS Mobile platforms, SW Validation Engineer/QA Tester with 5+ years of US experience in Automation Test Development, Software Development Engineer in test, Python Automation Test Developer at Wi-Fi Automation Systems

**EDUCATION**

**US Naval Postgraduate School, Monterey,  CA Mar 1998 - Mar 2000**

M.SC.  In Computer Science, CGPA 3.45/4.00 graduated as MSc CS student

**Turkish Naval Academy, Istanbul, Turkey Aug 1989 – Aug 1993**

Bachelor Of Science In Electronic Engineering (Control  Systems) ,CGPA 3.86/4.00 graduated as outstanding student, Ranked 6th among 212 students

**SUMMARY**

* Proficient in Python with expertise in Selenium for web API testing and Android and iOS apps automation with Appium.
* Experienced in automating API integrations for CI&CD processes.
* Experience in Wi-Fi Test house, development in Automation Test Framework for the new Wi-Fi Technology at Max Linear LLC.
* Experience in working with Google SW development environment while working at Google and YouTube between 2017-2022;
* Software Engineer in developing and testing Military applications at the Turkish Naval Research Lab between 2000-2010.

Experience in Backend manual testing and automated testing with scripting language.

* iOS mobile application UI testing with swift Language hands on testing experience at Google.
* Automation with Selenium and Appium in both Java and Python programming language using Android Studio and Swift XCode, XCTest tool with emulators and real iOS and Android mobile devices.
* Experienced in Software Development at design, development, configuration management, quality assurance, testing and system integration at legacy SW Technology.
* Experienced as a test developer, OOPS concepts,SDET and QA role, Hands on experience and usage of QA concepts and methodology with functional and nonfunctional testing (performance, load, stress, security), Add-hoc, Exploratory and gorilla/monkey testing.
* GNews project UI testing development at Google experienced with offshore teams working including giving/ receiving/t racking/ checking work and progress with Jira Test Management and defect tracking tool.

**EXPERIENCE**

***Senior Software Developer* | Samsung-Infinite (Automated API Integration for CI&CD Processing) May 2023 – Feb 2024**

* Implemented API integration for Carrier Company, facilitating the Continuous Integration and Continuous Deployment (CI&CD) process.
* Conducted Web API testing using Selenium, browsers, and driver applications for fetching, inserting data, and testing for the following sub sections
  + Implementation of user sign-in and login functionalities.
  + Handling of My Account and My activity registrations.
  + Functionalities for device registration, device unregistration, and searching devices.
  + Managing test scenario insertions and listed activities.
  + Implemented push management with submission functionalities.
* Controlled the API responsible for all mobile product processing, including IMEI registration, software (SW) updates, and determining server states.
* Managed the life cycle of SW updates, from Analysis initiation to Developer, Tester, and automated deployment.
* Implemented different modules for CI&CD processes in automation tools, specifically Jenkins.
* Used Applications: Selenium, MySQL usage, DB implementation in JSON file, Windows Task Scheduling, 'Perforce' Resource Control.
* Collaborated with the team to implement push management with a campaign along with an email parsing module.
* Contributed to various functional sections, including user authentication, account management, device management, testing automation, and push management.

***Automation Test Lead Developer* | Cognizant ( MaxLinear Wi-Fi Test House) May 2022 – Jan 2023**

* Developed Functional Speed Tests of the Gateway Router through the Xfinity Web Application Server for web application testing with Selenium and Appium driver on Chrome browser using Python and Java and Android Studio SDK libraries at Windows OS, Mac OS, Android Devices as Android and iOS Automation Test developer. Robot framework used as a demonstration of web application UI testing.
* Building Automation test executables for WiFi Gateways by using all PLM in STLC process.
* Hands on experienced in automation of Web Server UI application (using Selenium with Python and Java), API services (Postman and REST Assured) and also Mobile Automation(Appium) for iOS and Android mobile devices,
* Implemented automated Functional, Mesh, and Band Steering Testing applications for Xfinity (Router) Gateways by using Python programming language and Serial Coms Libraries.
* Used APC, PDU in automation development test project at Wi-Fi Test house.
* Automated the process of configuring Mac OS, Windows OS, Android, and IOS devices for Wi-Fi connection, whilst disabling ethernet connections for the Gateway tests.
* Managed Wi-Fi lab test setup and configuration of pods connectivity, TV, and IOT devices.
* Experience with 3G, 4G Devices(Router,Pods), Expertise in LTE/WCDM radio access network and 3GPP standards
* Developed data extractor application on Linux OS for the turntable RVO output on 1LAN and 2LAN throughputs, produced “Pdf” da to excel document by using Python with Pytest, Openpyxl, Tabula, and Pandas libraries.

***Automation Test Lead & Developer* | Google/eTouch-Virtusa** **May  2018 – May 2022**

* Developed iOS OOBE test app with Swift Xcode and XCTest on ‘Herby smart display tool’ which has which has external connection to Speaker and internal Microphones connected to car lighters. GHA iOS application tested for UI elements with swift XCuites
* Ran OOBE, CI (Continuous Integration) tests with Google Smart display (Cube and Jasper) on Android and iOS Mobile devices.
* Configured Mobile Harness server on Mac machine, managed tastings at front-end on Mobile Harness server.
* Utilized advanced level automation testing tools (Moscar, Guitar), log analysis experience in Android bug report and Mobile Harness bug report files.
* Developed Gnews Automation tests using Python, Java, Scripting Language, and TCL languages and Copy Cat auto build environment/structure.
* Managed the configuration and verification of Bluetooth connectivity for Smart Display Devices, testing the Bluetooth connectivity inside the test cage with the specific assigned devices in test cage Wi-Fi network.
* Set up Android and iOS test cages for Wi-Fi connectivity and ensured that the signal inside the cage did not interfere with other devices’ connectivity. Experience in UI testing in localization of GHA(Google Home Assistance) Smart Display devices which has Speaker, Microphones Provided code maintenance on Cider resource control with different workspaces. Reported the failures in Buganizer and tracked the test results on this system. Downloaded the bug reports from the tracking tools and analyzing and finding the root cause by seeing technical logs, identifying the root cause + triage the bugs to respective development teams.
* Prepared test devices, set them up (flashing, factory resetting, and configuring) with platform tools (Android Device Bridge-adb, fastboot etc.), ran tests on the developer infrastructure “Bazel”, tracked the test results on Sponge dashboard. By using the build language Starlark, which is a dialect of Python, defined the build rules and dependencies inside build and build scripts files for CI testing developments.
* Prepared Apple mobile devices by whitelisting/supervising and configuring them to work at Google special network, adapting the Google Provision profiles.
* Gained extensive experience in Core Java with OS Linux, Mac and Windows at Google development environment.

**Content Review Operation Analyst. Google/YouTube May 2017– May 2018**

* Content Review Operations Specialist wrt Algorithm & Policies for YouTube Videos.
* Analyzing the Algorithm’s result with the Native Language reviewed Video appeal/verdicts.

***Test Leader &***  ***SW Validation Engineer* | Istanbul-Turkey / Turkish Naval Research Lab Aug 2000 – Aug 2010**

* Developed classifications algorithms including different Sensor Correlation & Fusions for Turkish Naval Forces Surveillance System by using Java / ADA Programming Language on Unix OS.
* Participated in a SW team that designs-develops-integrates and tests of Combat Management System (CMS)-GENESIS for the G-class Frigates by using ADA-Java Programming Languages at Unix environment with Solaris OS.

**SKILLS AND INTEREST**

* **Languages-Libraries**: Python 3.9, Java, Tool Commanding Language, Swift, Pandas, Bash Shell scripting, C++,pyAudioAnalysis,
* **Operating Systems**: Windows, Mac OS, Linux,Unix Ubuntu. Experience in Linux/Unix OS development with Python and Java
* **Automation Test Development Tools**: Selenium 3/4, Appium, Robot Test Framework,Junit (Jupiter), XcUI test tool with Swift language, XCode, Cucumber, TestNG, Maven, Android Studio, Azure, Jenkins,Mattermost, Blaze Moscar, Guitar, Pytest,Cypress,API experience with Postman, Rest Assure with TestNG and gerkin combination. Test automation frameworks and work experience in Android and iOS apps automation with Appium, UI Automator, Selenium Inspector, Robot Framework (Jenkins, GIT).
* **Areas of expertise**: Web Application Automation Testing, Mobile(iOS and Android) Application Automation Testing, Experience writing/maintaining UI Automation tests (Swift/XCTest), SDLC and processes for Application development; Creating, modifying, and maintaining new and existing Automation Frameworks using BDD (Behavior Driven Development) and DDT (Data Driven Testing); Experience in troubleshooting network issues, configuring APs and client devices; Manual/Automation Testing of Web Applications and Client Server Applications; API testing experience with Postman in manual and automation with Python: Manual/Automation Testing of Combat Management Systems; Practical management experience in Creating Test Scenarios, Cases and User Stories, Test Scripts, Smoke Testing and Regression Testing based on Project Requirements; Data analysis, Agile/Scrum Methodologies in Military projects. Automation scripting and Manual testing. Working experience of Android CE devices. Testing expertise with peripheral devices like Wi-Fi, Bluetooth. Have knowledge of android tools and commands. Expertise with Python and capable of doing shell/ batch scripting as required. Experience in Python 3.9 and ADB commands. Experience in Relational Database Management, SQLite,MySQL, SQL queries implementation in web application testing.
* **Management Tools**: Agile, JIRA, Scrum, and Waterfall. Local and remote repository of source code and documentation control experience with git and GitHup usage.
* **Wi-Fi Protocols**: Knowlege in 4g/5g and LTE systems.IEEE 802.11 protocol standard in 2.4GHz, 5GHz and 6GHz frequency band and Experience in management of producing testing executable frameworks for Gateways for various 802.11n ,802.11 ac(wave1/2), 802.11 ax systems.
* **Manual / Automation tests hands on experience for SW and Devices by all PLM in project experience in SDLC and STLC by the following skills**.
  + Understand the SW Requirements, Write test cases from SW requirements
  + Execute test cases, Participate in software development life cycle with an understanding on how to establish test scenarios to validate functionality and robustness of the software releases,
  + Review Test Strategy and Master Test Plans for assigned projects in the product division,
  + Participate in requirements review, design review, sprint planning and task estimation,
  + Represent SQE team in product life cycle and key program meetings and provide input for go/no-go decisions on product testing and qualification status, Collaborate with Software, System and Application Engineers to develop test plans.
  + Guide team to execute test cases in Software UI, machine control, algorithms of complex systems, Ability to technically interact with Algorithms, System Engineering, Application Engineering, Marketing and Manufacturing, Customer Support team for various needs across the globe.