Aniket Katkar

Quality Engineer

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PROFILE SUMMARY

Highly skilled Developer with 4+ years experience in Web/Mobile and Embedded industry, solutions-oriented and hands-on technical team player. Ability to learn quickly, strong communication skills and teamwork. Currently looking for a full-time opportunity to design and build high performance and optimized applications for a web developer, Senior Quality engineer, Automation Engineer job with a forward moving company.

KNOWLEDGE PURVIEW

Tools/Technologies: Atlassian Jira, Confluence, Testrail, PS4 Neighborhood, Xbox Manager, Agile, Rest APIs, Test Case planning and Execution, Android Studio, Web development

Programming Languages: Python, PHP, C, Java, JavaScript, HTML, Bootstrap,

Database: MySQL

Other: GIT, Android, Linux, Embedded systems, Micro controllers, Arduino

ACADEMIC DETAILS

PG-Diploma in embedded Systems Design (2015) – *CDAC, Pune*	*2015*
University of Mumbai (2015) – *Bachelors of Engineering(Electronics)*	*2010-2015*
Maharashtra State Board(2010) - *12th (HSC)*	*2008-2010*
Maharashtra State Board (2008) -*10th (SSC)*	*2008*

EXPERIENCE

Ubisoft Entertainment India Pvt Ltd., Pune – *Quality Engineer*

September 2020 – PRESENT

- Develop tools from high level business requirements to working prototypes and code for automating gameplay for Android and Web platforms.
- Created an End to end solution for mirroring Android devices in browsers where anyone can access and control Android phones within Intranet**.**
- Drastically improving the existing automation scripts to save execution time and resources and developing scripts for automated regression tests, saving manual effort and time on testing.

Ubisoft Entertainment India Pvt Ltd., Pune – *Test Engineer*

June 2018 - PRESENT

- **Task Tracker** (PHP, MySQL):
  Developed a web-based application to track tasks performed by employees for Managers to track them easily.
- **Google Stadia Command Centre** (Python):
  Developed a native windows application using Tkinter library in python and Google Stadia SDK to automate commands.

- **GUI based Android Automation** (Java, Android ADB):
  Developed a native windows application using AWT Java and Android ADB commands to perform automation on Android devices.
- **Ticket Resolving Application** (PHP, MySQL, Bootstrap):
  Developed a web-based application for resolving tickets raised by testers to developers for a small project base in place of Jira.
- **Test Case Vault** (PHP, MySQL):
  Developed a forum type application for testers to submit their test cases which are stored categorically and can be exported to Excel or XML.
- **Trainee Examination Centre** (PHP, Bootstrap, MySQL):
  Developed a fully scalable web-based application for examination of trainees as a replacement for Microsoft Forms and Excel.
- **WFH Tracker** (PHP, MYSQL):
  Developed a WFH tracker which helped increase productivity of the team during WFH by tracking progress made by individuals daily.

Ushva Clean Technologies Pvt Ltd., Mumbai – *Senior Product Engineer*

August 2016 - March 2018

- **Intelligent Energy Management Systems** (IEMS) (Embedded Systems, IOT, Arduino):
  Perform real time data analysis of Voltage, Current Readings, Packet Count, Timestamp and authentication parameters from Microcontroller TM4C 1294 (Product) to IBM Bluemix Server via ESP 12 using MQTT. Upgraded performance by integrating SD card support, one-time credentials for WIFI to IBM Bluemix servers (Cloudant NoSQL and Node Red)
- **Smart Pole** (Embedded Systems, Python, MySQL, IOT):
  Designed a solar powered smart pole which collects and analyses Air quality, Noise levels, Humidity samples using Raspberry pi and displays in GUI (Python - Tkinter). Implemented IOT connectivity using IBM Bluemix and web application.
- **Battery monitoring system** (Embedded Systems, MySQL, IOT):
  Transfer of Battery parameters like Voltage, battery status, percent charging, number of charging-discharging cycles to IBM Bluemix server and display analysis on an Android application designed for IEMS.
- **Monitoring device** (Embedded Systems, Arduino, IOT):
  Designed a monitoring device (ESP32, GSM module) to read sensor values for IOT applications to Web and Android applications for Data analysis.
- **Web Based Application** (IEMS):
  Developed a web-based dashboard (PHP, MySQL) that displayed the data and statistics of the Intelligent energy management system through IBM Watson and IBM Cloudant.
- **Android Application** (IEMS):
  Developed Android application for monitoring the data received from IBM servers. Plotted Realtime, daily, monthly, yearly graphs of various derivatives of energy of the Intelligent Energy Management Systems (IEMS).

PROJECTS

- **Smart Car Parking** (Embedded, IOT, Android, Arduino):
  Designed and implemented a scalable scenario to tackle parking problems in urban cities. Used sensors to detect cars in a parking lot and display it on an Android app through IBM Bluemix.
- **Home automation** (Embedded, IOT, Android): Designed and implemented a basic home automation system using ESP8266 and GSM modules to control any application using an Android/Web application.
- **Website Design and Development** (PHP, JavaScript, HTML, CSS, Bootstrap)
  Designed and Developed Websites for Hotels, Event organizers and personal portfolios for designers.
- **Buzalert** (Android):
  Developed app for showing battery stats, theft alarm and battery alert alarms. (Live on Play store)
- **Segregation of Objects based on Shape and Color using MATLAB and Robotic Arm** (MATLAB, Embedded Sys.):
  The project was based on the Image processing toolbox of MATLAB to recognize color and shape of any object place in front of a camera. A robotic arm was used to segregate the objects in their respective units.
- **CDAC** – Linux USB device driver for reading data from GPIO port of Blue Board (Embedded Systems):

The main objective of this project was to implement Linux USB device driver of mass storage on host machine with bulk endpoint. Data read from the GPIO port is shown on the host machine terminal. A test application with GTK based GUI was written for testing.

CERTIFICATIONS and AWARDS

- **CDAC Diploma in Embedded Systems Designing, Pune**
- **SPOT Recognition in 2018 for improving existing tools being a new joiner.**
- **Extra Mile Award in 2019 for outstanding performance.**
- **SPOT Recognition** in 2019 for developing tools to automate processes.
- **SPOT Recognition** in 2020 for developing tools to automate processes.

LANGUAGES

- English, Hindi, Marathi