SURYA
SUNDARARAJAN

SOFTWARE ENGINEER

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SUMMARY

Software Developer with over 3 years of experience in development of software products and good at problem-solving and software design. A personable individual who is also dynamic and adept at a variety of programing languages and frameworks. Always looking to decipher problems to arrive at a simple yet scalable solutions.

EXPERIENCE

SOFTWARE ENGINEER

Honeywell (PMT HPS) (Aug 2021 - present)

Software Engineer II :

- Implement new functionalities for Experion PKS - Control Builder.
- Analyze and fix bugs reported by the Technical Assistance team.
- Fixed various Database issues with custom SQL scripts.
- Implement or modify SQL stored procedures.

Achievements :

- Received BRAVO e-Thanks for exhibiting the behavior "Act with urgency" on designing and developing a WPF application to repair corrupted parameters of Custom Algorithm Block.
- Designed and implemented 2 out of 4 proposed features in a single release R530.1.
  - An option to Retain Server History parameters in CB System Preferences.
  - An option to Activate/Inactivate Selected Items and its Contents in CB helper menu.
- Redesigned the entire Help functionality to be persisted and scalable.
- Worked in a critical customer issue on Fieldbus device configuration error and fixed it in two ticks

Honeywell (Aero) (Aug 2019 - Aug 2021)

Software Engineer I :

- Software verification and validation for Air Transport - Flight Management System (FMS) & Business and General Aviation - Flight Controls (FC)
- Develop software test scenarios for FMS - Airbus A350, A380 and Boeing B777X programs and FC - Embrayer SMS, Dassault Falcon F6X, Gulfstream G-VIII

Achievements :

- Recieved BRAVO e-Thanks for developing an RPA for monthly Test-defect report analysis in collaboration with Display and Graphics Team.
- Active problem solver - Solved 5 problem statements in Collaboration Hub where problems faced by other teams/business groups are posted.

- Ideated and Developed end to end RPA for Airbus AT-FMS test execution and code coverage analysis, which contributed towards the overall productivity by 15%.
- Ideated and Developed a Robotic Process Automation utility for setting up Airbus AT-FMS testing environment, which saved 8 hours of manual work per machine.
- Defined a process checklist for Flight Controls testing and implemented the same across team to ensure ZERO percent Quality Leak in the review of test artifacts.
- Developed a Self-Review tool to review the test artifacts before sending for peer review, which contributed towards 40% reduction in the defect leaks.

INTERNSHIPS

DIGITAL MARKETING ANALYST

Zoho corp (May - Jun 2019)
- Search engine optimization techniques.
- Search engine marketing stratergies.
- Hands on experience in SEO & SEM tools.

SOFTWARE DEVELOPER

Esteem Electronics (May - Jul 2018)
- Selenium web automation.
- Django web framework.

PUBLICATIONS

Deep Learning-Based Face Recognition For Bio-Metric Authentication System
Journal: IJEAM

CERTIFICATIONS

SIX SIGMA

Green Belt
International Association for Six Sigma Certification

GRE

Scored 298/340
Graduate Record Examination (2019)

IELTS

Secured Band 7/9
IELTS by British Council (2018)

TOEFL

Scored 557/677
TOEFL ITP (2018)

CORE JAVA & ANDROID

Secured Grade B
by HP Educational Services

EDUCATION

BACHELOR OF ENGINEERING

Mepco Schlenk Engineering College (2015 - 2019)

- Computer Science and Engineering

Acedemic Projects:

- **FindChips Price Analyser:**
  - To find the lowest price for list of hundreds of thousand products by web scrapping
  - Technology : Python (Stand alone - TKinter, Web app - Django)
  - Role : Full Stack
- **Online Census Management System:**
  - To create and manage the overall human population of a locality
  - Technology : (Web app - JSP, Backend - MySQL)
  - Role : Full Stack