



Harshit Agarwal

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ABOUT ME

1. Approx 2 Years of experience in Software Development.
2. MATLAB developer.
3. Strong knowledge of Data structure and Algorithm, Java, SQL, Spring Boot Framework, Hibernate, JPA, HTML, MATLAB, FTIDE, Polyspace, SIMULINK, JIRA, GIT, MAVEN.
4. Experience in developing the Web based applications using Java Technologies.
5. Strong interpersonal and communication skills with an ability to work with team and keep them motivated.
6. Ability to achieve project goals within project constraints such as scope, timing and quality.
7. An energetic, self-motivated team player with refined designing and analytical skills.
8. Techoholic, Quick Learner, Explorer, Problem Solver.

WORK EXPERIENCE

Software developer

Tata consultancy services limited [5 Aug 2021 – Current]

City: Pune

Country: India

1. **Central Power Distribution Box. (Ford Motors)** - Model Based Designing consist of different features for unit models & integrated model creation and Mil testing for the same in SIMULINK for AUTOSAR (FNV3) and Non- Autosar (FNV2) architecture, Software Component creation, Polyspace analysis, Code review, automating processes through MATLAB scripting, Debugged Models, Target linking by using HDL coders to generates HDL codes, Validate and Verification, Synthesis RTL logic. Integrated all features in one Feature file and creating Software Component finally to check Model advisory and generates RTW files. Designing and maintenance of design documents, feature analysis, calculating estimated hours, creating Jira task and assigning them to the team.
2. **Automation Team. (Ford motors)** -Creating tools using MATLAB scripting and apps for streamlining the process and automating various processes and testing.
3. **FTIDE. (Ford motors)** - Creating FTIDE test suits for features of car design and test the functionalities and check test results in log analysis tool and improve test efficiency and cover test specification.
4. **Power Bus Output Transform (PBOT). (Ford motors)** - Model Based Designing consist of different features for unit models & integrated model creation using SLDD and unit step testing for the same in SIMULINK for AUTOSAR FNV4 architecture, Software Component creation using ARXML file, Polyspace analysis, Code review, Unit Testing using Test harness.
5. Working closely with senior members of the team, support teams to provide support and better understand company requests. Manage Technical issues, Development and implementation of full life cycle of application.
6. Technologies used in this project are MATLAB, C, Polyspace, FTIDE, Automation Tools, Visio, Digital Electronics, MS Office, GitHub, SharePoint, Agile, SCRUM, JIRA. etc.

EDUCATION AND TRAINING

Bachelor of Technology

Dr. A. P. J. ABDUL KALAM TECHNICAL UNIVERSITY, UP [1 Jun 2017 – 17 Aug 2021]

Final grade: 8.41

Senior Secondary School

Bhartiya Vidhyapeeth Bal Bharti(CBSE) [1 Apr 2015 – 28 May 2017]

Address: (India)

LANGUAGE SKILLS

Mother tongue(s): **Hindi**

Other language(s): **English**

DIGITAL SKILLS

Java (Springboot) / java8 / SQL, My SQL / HTML / Java / Git / MATALAB / Tools Matlab Simulink AutoSAR / MIL/SIL Testing / Polyspace- Static Analysis, MISRA-C standard / MATLAB Scripting / Simulink, Target Link / HDL Coder / Microsoft Office / MS Office (MS Word, MS Excel, MS Outlook, MS PowerPoint, MS Access, MS OneNote, MS Visio, MS Teams) / Jira