

# Abirami Thuraiajah

## Personal data:

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<b>Address</b>	58, 6/2,Rasika palace, Layards Road, Colombo-4, Sri Lanka
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<b>Email</b>	<a href="mailto:abirami.thuraiajah11@gmail.com">abirami.thuraiajah11@gmail.com</a>
<b>Date of birth</b>	11 February, 1988
<b>Nationality</b>	Srilankan
<b>Marital status</b>	Married

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## Objective:

- To learn and update my knowledge while working in an organization which provides me the right opportunity to contribute the best of my skills and efforts for the growth of the organization as well as my self-development

## Work History:

### 04.2018 - Present CS Tech Ventures Pvt Ltd, Sri Lanka

Software Project Manager and Business Analysis- AI Data Platform

- Requirement gathering, scope estimation, planning, scheduling, resource and quality management
- Project manager with overall responsibility for the management, performance and completion of new product development projects
- Manage software project teams using Agile SCRUM practices to develop applications
- Project change management
- Familiar with SW release process and SW configuration tools such as AWS, Stripe, GitHub and Jira
- Knowledge of process improvement
- Evaluating the project team in order to support Management in their employee evaluation
- Provides day-to-day guidance and oversight of team activities; actively works to recognize performance
- Develop best practices for project execution and management
- Resolves project issues, mitigates risks, and manages scope change requests for all development sprints
- Act on items identified in retrospectives. Implement process improvements in future sprints for continuous improvement
- Providing the stakeholders with transparent, accurate and regular information regarding the status of committed project deliveries

### 09.2018 - 03.2018 CS Tech Ventures Pvt Ltd, Sri Lanka

Software QA Engineer - Social media platform

- Writing test cases with TestLink and conducting automation testing using Katalon
- Knowledge of Agile and Waterfall models of Software Development Life Cycle
- Hands-on experience in performing Functional, Regression, Browser Compatibility, Build Verification, GUI, Usability Tests Planning and optimization of the workflow process for maximum efficiency

- Perform load testing for all kind of internet connections with different kinds of environmental conditions
- Performing usability testing of the app on ease-of-use and friendliest user experience
- Participating in project team meetings to discuss the testing process, business requirements and assignments
- Analyzing software failures, make them reproducible, report bugs via Jira
- Executing functional testing in order to make sure that all main and additional functions and features can work properly without high priority issues

**07.2012 - 04.2016     Robert Bosch Engineering and Business Solutions Limited, India**  
 Senior Software Engineer/ Integrator - Engine Management Systems

- Software Developer and software Integrator for Engine Management Systems and responsible for the planning and integration of Base Software and Application Software
- Embedded firmware development in RTOS (ERCOS) platform in an environment complying with ISO 26262 and ASPICE standards
- First point of contact in Bosch India for Bentley V8 and Jaguar diesel Engine Management system software projects
- System engineering activities for Engine management systems software
- Configuration of project specific Hardware drivers, Application Software, RTOS operating system and Software Build Environment
- Experienced in handling EEPROM , peripherals, sensors and actuators, operating system scheduling, system control, software sharing, CAN
- Function designing and modeling with ETAS – ASCET
- Runtime and Resource measurement and resource optimization
- Software testing on closed loop vehicle/engine simulator

**As Software Coordinator of Bentley V8 project:**

- Preparation of Project/Resource planning and effort estimation
- Take responsibility of gaining knowledge on customer requirements, analyzing it and find out feasible solutions that can be offered
- Lead role to identify HW/SW/tools required for test executions, to install/integrate them to setup lab environment, to carry out end to end solution validation, to take complete responsibility to deliver the solution
- To conduct review meetings for requirement and solution design analysis
- To participate in a regular internal progress, follow-up of the project with team members and other team leads and conduct necessary meetings
- To train the team to acquire knowledge in skill set required for the project
- Keeping all stakeholders informed about all the important technical issues, progress and status
- Involved in all testing life cycle activities
- Introduce innovation in work to improve productivity

**09.2014 - 03.2015     Bosch Engineering GmbH, Vienna, Austria**  
 Software Engineer/ Integrator - Engine Management Systems

- Introduce innovation in work to improve productivity
- Software migration from EDC platform to MDG1 for Jaguar diesel projects
- Core system tests for Jaguar and Ducati projects

- CAN robustness tests performed for all the CAN/LIN signals using Canalyzer
- Requirement analysis and integration of software modules
- Tests (Module, system, runtime, communication, resource availability) carried out on every software released to ensure quality
- Impact analysis of various software bugs on the project

**03.2013 - 09.2013    Bosch Engineering GmbH, Abstatt, Germany**

Software Engineer/ Integrator - Engine Management Systems

- Raw requirement analysis and translating them to High level software design
- Integration of Software sharing library from customer
- Validation of the software against the system requirements (Hardware-In-Loop testing)
- In-vehicle testing of On Board Diagnostics and Immobilizer
- Driving project through Quality Gates for series production
- Impact analysis of various software bugs on the project

**Professional Skills:**

- Comprehensive knowledge of regression testing, module testing, big bang testing, bottom-up testing, and top-down testing
- Extensive knowledge of system integration testing methodologies, defect tracking systems, and Quality Assurance process
- In-depth knowledge of automated testing tools, configuration management, and defect tracking systems
- Well versed in software development and testing life cycle
- Strong communication, analytical, presentation, and problem solving skills

**Educational Qualifications:**

<b>2018 - Present</b>	<b>Master of Business Administration, ICBT(Affiliated by Cardiff Metropolitan University, UK)</b>
<b>2008 - 2012</b>	Major: Business analytics <b>Bachelor of Engineering, Sri Krishna College of Engineering and Technology, ANNA University, India</b>
<b>1994 - 2007</b>	Major: Electronics and Communication Engineering Marks: 88.2% <b>Primary School, Hindu Ladies School, Srilanka</b> Advance Level Grade: B, C, S Ordinary level Grade: 7A, 2S

## Technical skills and Competences:

<b>Technologies</b>	Automotive Embedded Systems, Model Based Development using ASCET, Automotive Technologies, Engine Management systems – Gasoline Powertrain
<b>Programming Languages</b>	C, C++, Embedded C, CAPL (CANalyzer Programming Language)
<b>Operating Systems</b>	OSEK, ERCOS
<b>Automotive Protocols</b>	CAN, FlexRay, KWP, UDS, LIN
<b>Microcontrollers</b>	Infineon (TC1797, TC1793)
<b>Software tools</b>	INCA, CANalyzer, ASCET – Auto Code Generation, IBM - ClearQuest, Eclipse, UDE, DiagRA, VAS, ODIS, Vector eASee
<b>Simulation tools</b>	ASCET, MATLAB, ModelSim
<b>Project Management tools</b>	Jira, Slack, Confluence, Adobe XD, GitHub, Stripe, AWS - Console, MS Project

## Personal skills and other activities:

### Other activities

- Secured 1st place in Paper Presentation in ENFOQUE'10 held Kongu Engineering College, Coimbatore
- Secured 1st place in Brain Twisters in ENFOQUE'10 held Kongu Engineering College, Coimbatore
- Member of Event Management team in RBEI and awarded for the good work done
- Awarded for good work done and mentoring team members in RBEI
- SPOC (Single Point of Contact) for Lab related issues and queries within the department and Attended safety and first aid training
- Vice President of the Math Union and Editor of the Science Union in School.
- Secured 3rd place in Group Dance Competition in DHWANI'10 and DHWANI'11 held at Sri Krishna College of Engineering and Technology, Coimbatore

<b>Languages</b>	<b>English</b> – Fluent <b>German</b> - Basic (A2) <b>Tamil</b> - Mother tongue <b>Sinhala</b>
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## Referees

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