

Profil ID: EBLBD2FGQR

Wohnort des Spezialisten: Deutschland, 80807

Embedded Softwareentwickler: Embedded C, C/C+, Embedded Linux, AUTOSAR

Mitarbeiterkurzprofil

Herr R. K. geboren 1988

Position

Freiberuflicher Hardwarenaher / Embedded Softwareentwickler

Softwareentwicklung

Erfahrener Projekt Manager/Architekt/Embedded-Entwickler / Integrator mit nachgewiesener Erfahrung in der Echtzeit-Technologie- und Automobilindustrie. Starker Ingenieur mit Erfahrung in Embedded Software, Onboard Diagnostics, Embedded Linux, Management und Embedded C.

Fokus

Embedded Software, Onboard Diagnostics, Enterprise Architect (EA), Echtzeit-Technologie

Programmiersprachen

Embedded C, C/C+, Embedded Linux

Tools und Methoden

AUTOSAR, Automotive SPICE, Automotive functional safety professional (AFSP), ADAS, LIDAR, EA Tool, Matlab

Betriebssystem:

Windows Embedded Automotive

Branchen

Automobilindustrie

Sprachen

Englisch (Muttersprache)

Deutsch (Fließend)

Hindi (Muttersprache)

Verfügbarkeit

Kurzfristig nach Absprache in Vollzeit

Projekterfahrung

6/2019 - heute

Magna,BMW, München

Freiberufler Software Architekt (8 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung:

Task 1: Software Architect Role to create the high Level design for all the software components and assisting feature owner and development team to implement the functionality. Task 2: Creating concept from the requirements and discussing it with BMW for the proposed implementation. Task 3: Extensive use of architecture tools such as EA, DaVinci Configuration, and DaVinci Developer. Task 4: Importing Application components, Autosar components and CDD components to create the interfaces between the components using EA tool. Creating UML model for the components for static and dynamic design. Task 5: Designing concept for Auto Pilot, HAD Mode and clarifying concept with customer and supporting the development team in implementation. Task 6: Supporting Test to create the Unit and integration test and reviewing the test cases with Test manager. Task 7: Designing concept for Wrong Mounting position and Chip mismatch for LIDAR. Task 8: Multi Lidar configuration design and concept creation.

Eingesetzte Qualifikationen

Software Architektur / Modellierung, AUTOSAR (AUTomotive Open System ARchitecture)

3/2019 - 6/2019

Expleo GmbH, München

Project Manager (4 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung

This is the project where we are working on provide Battery Management Service (BMS) for Electric vehicles. The OEM are SAIC and GM China.

It's an Autosar 4.3 project and I am working as a Technical Project Manager leading a team of 10 people located at different cities and countries.

Few of the members are in Romania, Iasi and Bucharest, and other are located in Munich and Regensburg.

A123 is the BMS supplier to OEMs. A123 China is responsible for this project.

My task is managing the Software Developers and architects and coordinate with the customer to take care of the releases.

Eingesetzte Qualifikationen

Windows Embedded Automotive, AUTOSAR (AUTomotive Open System ARchitecture)

7/2018 - 2/2019

Aptiv Deutschland GmbH, München

Software Architekt (8 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung:

Task 1: Importing Application components, Autosar components and CDD components to create the interfaces between the components using EA tool.

Creating UML model for the components for static and dynamic design. Task 2: xBAR concepts design and requirement extraction. Designing the xBAR concept and optimizing the use of Multi cores in the micro. Task 3: System Management Bus (SM Bus) concept design and implementation. I2c configuration for SM bus and creating requirement for the interaction with the Denverton Intel micro.

Eingesetzte Qualifikationen

Windows Embedded Automotive, AUTOSAR (AUTomotive Open System ARchitecture)

5/2015 - 6/2018

Continental AG, Ingolstadt

Software Integrator (3 Jahre, 2 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung:

Task 1: Integrating the entire project, do the integration test, create the build and release the build to Testing team and customer. Task 2: Understanding the Matlab Models and generate the code from the models and integrate it with software and debug for the functionalities. Task 3: Generation of RTE from

DaVinci according to Matlab models connections and integrate it and make the software stable and test the functionalities. Task 4: Designing Complex Device Drivers for various application output channels and integrate it with various libraries like Basic Window Lifter, etc. Task 5: Responsible for implementation of Functional Safety Module (FSM BAS) for BASIC faults and complete testing. Responsible for Integration (ENG 7.0) in ASPICE assessment for continuous 2 years. Task 6: Thorough configuration of Jenkins and its job configuration for Metrics, SWATT and daily build. Task 7: CPU Load in Normal scenario and worst-case scenario. Development of the tool and integrating it with application software with OSEK for respective Tasks, Runnable and Interrupts.

Eingesetzte Qualifikationen

Windows Embedded Automotive, AUTOSAR (AUTomotive Open System ARchitecture)

7/2014 - 4/2015

Tata Elxsi GmbH, Bengluru

Senior Entwicklung (10 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung: Task 1: Diagnostic Internal Fault Implementation. Responsibility of software development life cycle from Requirement Analysis, Design, Coding and Testing for entire Diagnostic Internal Faults Implementation required for ADAS-Mid Range Radar software module.

- Task 2: Design, Development and implementation of Watchdog driver for all the 3-cores in MPC5775K Racerunner Controller.

- Task 3: Through put calculation implementation for all the 3-cores.

Implementation of radar Status implementation on XCP request and customer request with effect of internal faults.

- Task 4: Voltage Monitoring and Power mode implementation.

Eingesetzte Qualifikationen Embedded Systems, Windows Embedded Automotive, AUTOSAR (AUTomotive Open System ARchitecture)

10/2012 - 6/2014

Tech Mahindra, Bengluru Start:

Senior Entwickler (1 Jahr, 9 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung: Responsibility of software development life cycle from Requirement Analysis, Design, Coding and Testing for entire project with other team mates.

Complete responsibility of Timer module in this microcontroller. So mainly responsible for understanding the requirements from TI for HET (High End Timer) and change it according to Aurix. In Aurix, the HET module comes under MCU(Micro controller Unit) Driver, ICU(Input Capture Unit) Driver, GPT(General Purpose Timer), GTM (Generic Timer Module) Development and implementation of WORDLINE Program and Erase Mechanism. Involved in the implementation of bootloader services(Read data identifiers, Write data identifiers and security algorithm) Complete responsibility for designing MCU, CMU, ECU MANAGER and SERVICES layer in AUTOSAR architecture. Integrate the software with the current AUTOSAR software releases and validate it. Use of EB-TRESOS tool to generate the Autosar drivers and integrate with the software.

Eingesetzte Qualifikationen Embedded Entwicklung / hardwarenahe Entwicklung, Windows Embedded Automotive, AUTOSAR (AUTomotive Open System ARchitecture)

9/2010 - 10/2012

KPIT, Bengluru

Software Entwickler (2 Jahre, 2 Monate)

Branche: Automobilindustrie

Tätigkeitsbeschreibung:

Complete responsibility of software development life cycle from Requirement Analysis, Design, Coding and Testing. Development and Implementation of CAN and Flash driver.

Bootloader Testing.

Eingesetzte Qualifikationen

Embedded Entwicklung / hardwarenahe Entwicklung, Embedded Systems, Windows Embedded Automotive

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<https://www.interconomy.de/profil/ebld2fgqr/embedded-softwareentwickler-embedded-c-cc-embedded-linux-auto-sar>