

# DAIMLER

## MBOS Gen20x – System Analysis Lead

for Mercedes-Benz Research and Development India Private Limited

Contact

**Debasmita Singh**

[debasmita.singh@daimler.com](mailto:debasmita.singh@daimler.com)

Job-ad-number

**MER000109V**

Publishing date

**14.03.2021**

Field of activity

**Research and Development incl. Digital Vehicle & Mobility Design**

Department

**Digital Vehicle & Mobility**

### Tasks

8Job Specification: (Senior) Automotive Infotainment Base Software Engineer

#### Education & Training

- Bachelor's degree in Computer Science/Electronics & Communication/Electrical Engineering or in a relevant stream.

#### Experience

- 8 to 11 years' experience (Engineers and Architects )
- Successful track record and experience in developing software independently

#### Mandatory Skills

- Good understanding of the automotive infotainment domain with relevant project experience.
- Experience in Linux/QNX platforms
- System engineering skill in Linux or any UNIX-like operating system and familiarity with different system hardening techniques
- Good understanding of OS Internals
- Debugging skills to troubleshoot problems in any layer of the Linux Platform
- Good knowledge in Linux Interprocess communications
- Programming experience in C/C++(Preferably Modern C++)
- Tools: GIT, Popular Linux Build Systems (CMake, Make, Yocto)
- Good knowledge of Test driven development (Unit and Module testing)
- Excellent people skills: Team orientation, ability to take different perspectives and communicate effectively with people from different backgrounds.

#### Desired Skills

- Know How in programing languages like GO, Python, Dart...

- Knowledge about UML/SysML, especially the model elements used for integration testing
- Familiarity with continuous integration
- Knowledge about runtime-performance, resource-consumption, and inter-task synchronization mechanisms
- Knowledge of cloud technologies like Kubernetes, Azure/AWS/GCP
- Experience with Some/IP, Car network simulation, Adaptive Autosar etc
- High level of motivation: Innovative and visionary mindset, ability to empower and motivate others, ability to compromise and perseverance
- Awareness of trends and new technologies and the opportunities they present for the mobility of the future

### Job Responsibilities

- Design and develop head unit base software - OS middleware / Application Middleware Services.
- Utilize a comprehensive set of methods adapting to both the product development cycle and a rapidly changing environment while continuously improving our tool set
- Ensure the best possible performance, quality, and responsiveness of applications
- Identify bottlenecks and bugs, and devise solutions to these problems
- Help maintain code quality, organization, and automatization
- Documentation of High Level, Low Level design, Source code and Unit Tests
- Work closely with designers, developers, QA, partners, suppliers and within the team
- Mentor colleagues to grow their skills and awareness

## Qualifications

8Job Specification: (Senior) Automotive Infotainment Base Software Engineer

### Education & Training

- Bachelor's degree in Computer Science/Electronics & Communication/Electrical Engineering or in a relevant stream.

### Experience

- 8 to 11 years' experience (Engineers and Architects )
- Successful track record and experience in developing software independently

### Mandatory Skills

- Good understanding of the automotive infotainment domain with relevant project experience.
- Experience in Linux/QNX platforms
- System engineering skill in Linux or any UNIX-like operating system and familiarity with different system hardening techniques
- Good understanding of OS Internals

- Debugging skills to troubleshoot problems in any layer of the Linux Platform
- Good knowledge in Linux Interprocess communications
- Programming experience in C/C++ (Preferably Modern C++)
- Tools: GIT, Popular Linux Build Systems (CMake, Make, Yocto)
- Good knowledge of Test driven development (Unit and Module testing)
- Excellent people skills: Team orientation, ability to take different perspectives and communicate effectively with people from different backgrounds.

### Desired Skills

- Know How in programming languages like GO, Python, Dart...
- Knowledge about UML/SysML, especially the model elements used for integration testing
- Familiarity with continuous integration
- Knowledge about runtime-performance, resource-consumption, and inter-task synchronization mechanisms
- Knowledge of cloud technologies like Kubernetes, Azure/AWS/GCP
- Experience with Some/IP, Car network simulation, Adaptive Autosar etc
- High level of motivation: Innovative and visionary mindset, ability to empower and motivate others, ability to compromise and perseverance
- Awareness of trends and new technologies and the opportunities they present for the mobility of the future

### Job Responsibilities

- Design and develop head unit base software - OS middleware / Application Middleware Services.
- Utilize a comprehensive set of methods adapting to both the product development cycle and a rapidly changing environment while continuously improving our tool set
- Ensure the best possible performance, quality, and responsiveness of applications
- Identify bottlenecks and bugs, and devise solutions to these problems
- Help maintain code quality, organization, and automatization
- Documentation of High Level, Low Level design, Source code and Unit Tests
- Work closely with designers, developers, QA, partners, suppliers and within the team
- Mentor colleagues to grow their skills and awareness

[Apply for this job](#)

---

## Benefits



Company car possible



Meal-Discounts



Coaching



Company Retirement



Flexitime possible



Home Office possible



Mobile Phone possible



Events for employees



Health Benefits



Discounts for employees possible



Internet Connection