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# Example of Software Systems Architect Job Description

Our innovative and growing company is looking to fill the role of software systems architect. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for software systems architect

* Be an active key leader to drive the future of autonomous driving with main focus on front facing camera
* Define software requirements/structure for front camera platform development
* Lead the architecture, design and development efforts for computer vision algorithms including the relationship with potential third party vendors
* Working seamlessly with the front camera system architects to ensure the software and hardware platforms are structured in a flexible, scalable and modular manner
* Define an open architecture that supports inclusion of third party vendor features
* Driving the innovation of mobile surgery products
* Actively contributing to the development and execution of our innovation roadmap
* Leading innovation studies and ensuring that study objectives are met – through the creation and release of a clinical prototype
* Defining functional and non-functional requirements, design, implementation, test and integration of software deliverables in the context of an innovation study
* Ensuring that results from the innovation study can easily be handed over to product development

## Qualifications for software systems architect

* Bachelor’s degree in Software Engineering, Computer Science, Computer Engineering, Computer Information Systems or related technical field
* Knowledge in the areas of microprocessor technology, Advanced Driver Assistance Systems and Modelling Based Design welcomed
* Knowledge in CAN, FlexRay, SPI and corresponding analyzing tools welcomed
* Knowledge of Agile software engineering methodology welcomed
* Interkulturelle Erfahrungen sind von Vorteil
* Defining a software strategy & requirements for next generation embedded MCU/MPU products in the C&S market space