

# Eduard Fiego

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## EDUCATION

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**Universitat Politècnica de Catalunya (UPC)**

*Bachelor of Engineering - Computer Engineering*

Barcelona

*Sep. 2018 – Jan 2023*

## EXPERIENCE

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**Embedded Software Engineer**

July 2024 – Present

*KOSTAL Automobil Elektrik Spain - Between Technology*

*Polinyà, BCN*

- **AUTOSAR Embedded Software:** Collaborated in AUTOSAR Embedded Software projects, especially in their later stages, ensuring the quality standards of the software were met.
- **Cybersecurity:** Collaborated on the cybersecurity implementation of said projects, with a Hardware Security Module (HSM) performing the cryptographic operations and sharing the information with the main application's core.
- **Software Architecture:** Participated in Software Architecture activities, filling gaps and supporting in defining best-practices.
- **Solution design:** Analyzed weaknesses in the currently available tools and designed and implemented solutions to cover said aspects.
- **Microcontrollers:** Obtained experience using the AURIX TC3xx microcontroller from INFINION, mainly on the Watchdog configuration and alarm handling.

**Embedded Software Engineer**

June 2022 – July 2024

*IDNEO Technologies, SAU*

*Mollet del Vallès, BCN*

- **Bring-up of technologies and peripherals:** CAN, LIN, Spi, I2C, SBC, Adc, external and internal Watchdogs, etc.
- **AUTOSAR:** Using tool chains like VECTOR's DaVinci and ETA's ISOLAR.
- **Bootloaders:** Experience implementing Bootloaders.
- **Multicore:** Experience integrating Multicore architectures into projects.
- **Microcontrollers:** Experience using NXP and ST microcontrollers (S32K3xx, SPC58).

## TECHNICAL SKILLS

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**Programming languages:** C, Assembler, C++, Python, Bash, Matlab, Simulink...

**AUTOSAR:** Using VECTOR and ETAS tools.

**Linux Kernel:** Experience using the Linux kernel, both as a programmer and user.

**MISRA-C:** Experience following the MISRA-C coding guidelines for automotive.

**ASPICE:** Experience under the Automotive SPICE model.

**RTOS:** Experience using real-time operating systems.

**Versioning tools:** SVN, GIT.

**Software integration:** Designed and implemented Software Integration Tests and Unitary Tests.

## SOFT SKILLS

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**Communication:** Trained communication skills, working with teams, and interacting directly with the customers and stakeholders.

**Team player:** Enjoy working with teams and collaborating with colleagues, trying to extend a helping hand where I can.

**Problem solver:** Passionate about finding solutions to problems, often requiring researching the different possible options.

## LANGUAGES

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**Catalan**

**Spanish**

**English**