

## Stage weken voor de opleiding Master Informatica

Titel: iOS/Android app for shopfloor registrations and supervisor notification on shopfloor issues.

### Gegevens bedrijf:

Naam: ARDIS Information Systems NV

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Adres waar de student zal werken: Brugstraat 75, 9880 Aalter

Korte of lange stage: **4 weken / 6 weken**

### Korte beschrijving van de opdracht:

ARDIS® is the machine independent global market leader for optimization & manufacturing software. Our cutting-edge software offers a modular all-in-one platform specifically designed and built for the sheet/bar/coil cutting industry.

The student will become part of our R&D team to work on our rapidly growing MES solution. The ARDIS R&D team is a passionate team with a broad mix of talents and skills, supporting personal growth and ambition.

This internship has 2 major subjects. As first subject: On the shopfloor, usually handheld scanners are used to signal when stock has been delivered, parts were produced or broken. Nowadays, a wide variety of mobile phones is equipped with camera's which can be used for barcode scanning as well. **The goal of this internship is to develop an app for mobile devices which allows the factory employees to scan parts and register actions to be communicated with our MES platform.** This can be to confirm a part is processed or that they broke a part, and this must be reproduced.

The second subject is to extend a framework which informs supervisors when situations on the shopfloor require their attention. **The goal is to prototype a solution framework which allows to push notifications from the web application to the right supervisor.** Supervisors will be able to monitor the active notifications on their app, and will receive a push notification depending on the severity and their configured work schedule.

### Technologieën die aan bod zullen komen:

Following technologies and skills could be touched:

- Javascript
- C#
- .NET
- SQL
- API
- Flutter or similar

- Microsoft Azure
- Technical analysis
- Functional analysis