# Tomas Novak

Senior Mechanical Engineer, Automotive

## CONTACT

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## SKILLS

**3D design**
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**FEA simulation**
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**Supplier management**
●●●●○

**Testing**
●●●●○

**Project planning**
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## LANGUAGES

| | |
|---|---|
| **Czech** | Native |
| **English** | Fluent |
| **German** | Conversational |

## CERTIFICATIONS

Certified SolidWorks Professional, 2019

Six Sigma Green Belt, 2020

## PROFILE

Mechanical engineer with 10 years of experience designing powertrain components for cars. I take parts from concept through testing to production, and I have 6 patents filed with my teams.

## EXPERIENCE

### Senior Mechanical Engineer

**Vltava Automotive** 2020 to present

- Lead the design of a gearbox housing produced at 400,000 units a year
- Reduced part weight by 14% while keeping the same stiffness
- Coordinate suppliers in 3 countries and a test team of 6

### Mechanical Engineer

**Bohemia Components** 2016 to 2020

- Designed and validated 9 engine mounts with finite element analysis
- Cut warranty claims on one part by 60% with a redesign

### Junior Engineer

**Moravia Tooling** 2014 to 2016

- Prepared 3D models and drawings for injection molds

## EDUCATION

### MSc, Mechanical Engineering

Czech Technical University 2014

### BSc, Mechanical Engineering

Brno University of Technology 2012