Curriculum vitae

**Kateřina Pavlíková**

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**Profile a motivation:** more than 10 years of experience in mechanical engineering. Master degree in mechanical engineering, specialization in applied mechanics. I have knowledge of all significant branches in FEA (static, dynamic, plasticity, creep, thermal). I was used to provide valuation of fatigue, stress level, data processing, statistics, analytical stress or static assessment. I have also knowledge of programming. I am looking for new interesting job, where I will apply my knowledge and experiences.

**Skills:**

* FEA – static, thermal, coupled, frequency, dynamics, plastic, creation of technical reports, presentation of the results (abaqus, ansys, ansa)
* CFD simulation - knowledge of principles (fluent, abaqus)
* CAD design, parts, assembly modeling, creation of drawings (proEngineer, autoCad)
* English between B1 and B2
* Basic in German and French ( French educated at secondary school)
* Able to create simply software including OOP, using scripts (java, javascript, python, C++, VBA)
* Rotor dynamics education, no practice
* Working with technical documentation also in English, paper works on  PC (office tools)
* Analytical assessment of the simply structural, static or mechanical problems
* Driving licence B

**Career survey:**

* **2018 – up today**  **Garrett motion – FEA specialist**
	+ R&D of turbochargers, FEA models, design life calculation (ANSA, ABAQUS)
* **2008 – 2018** **Siemens Industrial Turbomachinery – Stress engineer**
	+ FEA in ABAQUS of the steam turbines, stress, fatigue, plasticity, creep, dynamics, heat-transfer, analytical assessment
	+ Technical reports and presentation of results
* **2007 – 2008** **Bomar s.r.o. – Designer**
	+ Design in ProEngineer, drawings (band saws for cutting metals, cutting units)
* **2006 – 2007** **IBM – agency contractor, server operator**
	+ Distance server maintenance, report of errors and mistakes, escalation to higher level

**Education:**

* **2004** VŠB-TU Ostrava, Faculty of mechanical engineering, branch of applied mechanics
* **2006** VŠB-TU Ostrava, Faculty of mechanical engineering, branch of applied mechanics
	+ - I continued in postgradual education but I failed in rigorous exams
* **1998** Secondary school Ostrava, universal education

**Hobbies:** sport (swimming, cycling, climbing), travelling

**Age:** 38years