

## Technical Manager

Uchádzača overíme na vašu žiadosť

Očakávaná mzda: **4 000 €**

Cena: **4 800 € bez DPH**

### Preferovaná pracovná pozícia

Technický manažér

Strojní inžinier

### Preferovaná lokalita

Košice

Bratislava

### Jazyky

Portugalsky - Expert (C2)

Anglicky - Expert (C2)

Taliansky - Mierne pokročilý (B1)

Španielsky - Mierne pokročilý (B1)

Holandsky - Začiatočník (A2)

### Zručnosti

NX - Pokročilý, UNIX/Linux - Základy, MatLab - Pokročilý, Microsoft Office - Pokročilý, ProE WF, Other (on request)

## Pracovné skúsenosti / Work experiences

2012- Present

### CFD Team Leader / Sr. CFD Engineer / Competence Leader

Zameranie spoločnosti:

*Supplier to the semiconductor industry*

- » responsible for flow and thermal conditioning in modules of lithography machines, applying modelling techniques (StarCCM+/Fluent/Matlab) and Optimization tools (HEEDS)
- » plan and execute detailed numerical analysis in order to drive new product designs, steer test planning and defining new product specifications and models validation

Team Leader

- » responsible to address the needs of different business line projects, technically responsible for Flow Modelling team (>8 engineers), their Performance Evaluation, Project resources allocation and budget, strategic roadmap, technical orientation and Career Development
- » critical analysis of design parts (NX experienced), considering thermal, flow efficiency
- » experienced in close cooperation with multidisciplinary teams (mechanics, acoustics, optics)

Senior CFD Engineer:

- » defining Way of working, reviewing reports, best practice guide lines, evaluating simulation performance on HPC, evaluating new methodology simulations, developing new models (highly experienced with STARCCM+)

Competence Leader:

- » align the knowledge needed from different projects/departments, defining technology roadmaps, interface industry-university, bridging the financial funding from industry-university-government, ensure proper documentation knowledge transfer to inside of the organization, coach and supervise PhD and MSc students in their internship.

2008 - 2012

### RESEARCH ENGINEER – THERMODYNAMIC EXPERT

Zameranie spoločnosti:

*Manufacture of other pumps and compressors*

- » commercial compressors projects (refrigeration and heating), regarding efficiency improvement, reliability increase, new refrigerant

evaluation and compressor-system optimization

- » hands-on experience of prototyped and tested compressor for evaluating performance and reliability. Knowledge generation for new technologies
- » planned and executed detailed compressor CFD analysis (FSI), Thermal Management Analysis (numerical analysis of compressor thermal profile), In-House Computational Software, EES and Matlab. Interface with multidisciplinary teams: aligning deliverables, efficiency targets and customer requirements
- » trainer for the new thermodynamics' analysts. I prepared an extensive didactic material showing the entire process of the thermo-flow dynamics project of the hermetic compressor

2007 - 2008

## PRODUCT ENGINEER

Zameranie spoločnosti:

*Manufacture of electrical household appliances*

I had experience in different sector of the company. In the cooking business, my main functions were: ■ Design of KitchenAid cooktop for North America Region market. ■ Numerical and experimental evaluation of the oven's temperature distribution along the cavity and the heat insulation of the walls. ■ Evaluation of the grill and griddle plates temperature distribution and heating devices.

In the refrigeration business, I worked with different cooling technologies, as: ■ heat pipes application in order to eliminate air flow exchange between fridge compartment and freezer compartment; ■ frost formation study in order to evaluate the ice distribution on the fin-tube evaporator, refrigerator efficiency behavior, defrost time w.r.t amount of ice and new defrost technologies. ■ Reliability of refrigerators testing the system is extreme operational conditions, verifying his behavior and performance. ■ Designed, prototyped and tested household refrigeration systems and components. ■ Planned and executed detailed refrigeration system components experimental tests. ■ Numerical modeling thermodynamic process and system components.

## Vzdelanie / Education

2008 - 2012

**Faculty of Thermo Physics (Msc.) / Faculty of Mechanical Engineering (Bc.)**