

IPSI

*On behalf of our client Maxeler Technologies Ltd.,
London, UK,*

IPSI is looking for candidates for the following positions:



We're Hiring

Join the Team and Work on some of Today's Grand Challenges

We are seeking for skilled and enthusiastic people to join our teams in Belgrade, Serbia; London, UK; and Chicago, US. To apply, please e-mail your CV and cover letter to nemanja@maxeler.com.

Careers

As a member of the Maxeler engineering team, you'll be working in a multi-disciplinary group of computer scientists, electrical engineers, mathematicians and physicists building products and services based on dataflow computing in space, see www.openspl.org.

Culture

You'll be a vital member of a team that tackles a wide range of challenges. While everyone has their own specialisms, Maxeler's engineers are able to switch seamlessly, for example, from profiling and optimizing Linux device drivers to analyzing a complex DFE use-case in for example Medicine, Finance, or Science. We value people who will pitch in, doing whatever needs to be done.

If you're excited about changing the way people do computing and enjoy deeply technical work, then Maxeler's environment will be a great fit for you.

At Belgrade office, you will be a vital member of a small but growing team of talented software engineers. We value people who can focus on getting things done on their project, and are happy to pitch in doing whatever needs to be done.

Our Belgrade office is located in the heart of Belgrade, in Dalmatinska street.

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At Maxeler you are part of the whole company team with a casual environment. We offer flexible working hours with a focus on what you do and not when you do it. We expect new hires to quickly rise to the challenge of taking responsibility, communicating efficiently across the company, and growing with tasks and projects as we conquer additional markets and opportunities.

Since our customers are distributed internationally, we occasionally provide opportunities to travel to a variety of destinations in Europe, the US and Japan.

We highly value diverse backgrounds and will consider all applications equally, regardless of race, color, sex, sexual orientation, age, religion, or belief.

Web Developer

Belgrade, Serbia

The Belgrade Office develops the web portals that are part of the Maxeler Eco-System (see: appgallery.maxeler.com and webide.maxeler.com, both developed at the Belgrade Office).

Activities include working on the existing as well as on the new Maxeler Eco-System websites.

Ideal candidates will have experience in all of the following:

- Experience with HTML5 and CSS3
- Programming in JavaScript
- Programming in Python
- Degree or professional equivalent in Computer Science or related discipline

Additionally, experience in any of the following would be advantageous:

- AngularJS framework
- Flask framework
- Design and usage of RESTful APIs
- Programming mobile phone applications (iOS, Android, etc.)
- Scripting experience (Python, Ruby, shell, etc.)
- Linux software development

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Multiscale Dataflow Computing Developer

Belgrade, Serbia

London, UK (*4 month internship program*)

As a multiscale dataflow computing developer you will be using and developing the core concepts behind Multiscale Dataflow Computing and Spatial Programming (see: www.openspl.org for more details). Activities include making Maxeler's technology more accessible through specialized APIs, visualization, cloud computing and interactive media.

Ideal candidates will have experience in all of the following:

- Programming in C/C++ or Java
- Concepts of Controlflow and Dataflow, Acceleration technologies and parallel programming
- Library and API design experience
- Degree or professional equivalent in Mathematics, Physics, Engineering, Computer Science or related discipline

Additionally, experience in any of the following would be advantageous:

- Experience with Apache Thrift
- Linux software development
- Scripting experience (Python, Ruby, shell, etc.)

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Junior Application Engineer

Belgrade, Serbia

London, UK (*4 month internship program*)

As a junior application engineer you will have opportunities to learn about various exciting applications of Maximum Performance Computing, such as risk analytics, network security, software defined networking, high-end transaction processing, computational chemistry, genomics, etc.

Ideal candidates will have experience in all of the following:

- Object-oriented programming (Java, C++, etc.)
- Scripting experience (Python, shell, etc.)
- Linux software development
- A degree or equivalent professional qualification in Computer Science or a related discipline

Additionally, experience in any of the following would be advantageous:

- Implementation-level knowledge of network protocols (IP, TCP, Ethernet, etc.)
- Digital hardware design (Verilog/VHDL, etc.)
- Computer architecture
- DSP/scientific/HPC software design including usage of accelerators

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Compiler Engineer

Belgrade, Serbia

London, UK (*4 month internship program*)

Compilers team is responsible for developing Maxeler's state of the art compiler technology and software tools. The team works closely with other engineers, scientists and mathematicians to help them overcome the challenges they encounter while developing high performance applications for Multiscale Dataflow Computers.

You will be adaptable and tenacious, passionate about clean software, and have a keen interest in the future of computer architecture and compiler technology.

Ideal candidates will have experience in all of the following:

- Java, C and C++
- Object oriented programming
- Linux software development
- A degree or equivalent professional qualification in Computer Science or a related discipline

Additionally, experience in any of the following would be advantageous:

- **Eclipse RCP plugin development**
- Postgraduate research (e.g. PhD, EngD, EU research projects, papers/journal articles)
- Software testing (e.g. GitLab CI, Jenkins CI)
- Compiler and/or EDA tool development (e.g. LLVM)
- Digital hardware design (e.g. Verilog/VHDL, FPGAs)

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Network Platform Architect

Belgrade, Serbia

London, UK (4 month internship program)

Maxeler's Networking Technology group applies Dataflow Technology to computer networks. We create networking products with a programmable dataplane, such as our [joint switching product with Juniper](#), to perform online computation in real-time with the goals of maximizing throughput and minimizing latency. We're focused on Electronic Trading Systems, Cyber-Security and Network Infrastructure, see: www.maxeler.com/products/jdfe/.

We're on the lookout for a senior HW/SW architect, with a good understanding of the networking domain, who is enthusiastic about creating the fastest network computation engines on the planet:

Ideal candidates will have experience in all of the following:

- Strong software/hardware engineering skills
- Thorough understanding of the full Networking stack
- Detailed system level understanding from application to the wire
- At least 5 years of Software/Hardware Engineering experience
- A degree in Electrical Engineering or Computer Science

Additionally, experience in any of the following would be advantageous:

- FPGA technology and hardware description languages
- Electronic Trading, HFT
- Cyber-Security: Firewalls, IDS / IPS, Anomaly detection

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We're always on the lookout for bright people with a passion and enthusiasm for innovative technology.

Ideal candidates will have experience in all of the following:

- Strong software and/or hardware engineering skills
- Linux software development in C/C++
- Scripting experience (Python, Perl, Ruby, etc)
- Thorough understanding of Networking protocols: Ethernet, TCP/UDP/IP
- Excellent debugging skills
- A degree in Electrical Engineering, Computer Science, Maths, Physics or related discipline

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