

Digital Circuit Design Engineer-HDL

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| Job ID | STG-0691476 | Job type | Full-time Regular |
| Work country | Israel | Position type | Entry level |
| Work city | Haifa | Posted | 11-Nov-2014 |
| Travel | No travel | Job area | Engineering (hardware) |
| Business group | IBM Systems & Technology Group | Job category | Hardware Development & Support |
| Business unit | STG Other | Job role | Hardware Developer |
| | | Job role skillset | General |
| Commissionable/Sales- Incentive jobs only | No | | |

Job description

Location: Ramat Hachayal- Tel Aviv or at IBM Haifa University site

The designated candidate will participate in the physical implementation of the next IBM generation of CPU's, designed with IBM's latest and greatest Silicon process. The designated candidate will be using cutting edge tools and design methodology, like Large Block Synthesis. Yet, due to the design complexity and tight requirements, the person who will fill this position will require fundamental VLSI and digital circuit design understanding and knowhow. The candidate will be required to demonstrate excellent communication and interpersonal skills, to work effectively in a highly dynamic team environment, as a part of a larger global team.

Starting work date 1/1/2015.

Job Roles:

- Owning the physical design of a set of blocks from initial design phase to RIT
- Bring design blocks from RTL through automated synthesis process to create the Boolean equivalent physical implementation
- Working as a member of a design team
- Working closely with the Logic design team
- Working in the frame of a world global design team.

Requirements

- Thorough VLSI & digital circuit design knowledge
- Acquaintance with digital CAD tools and Linux like work environment

- Team player
- Motivated, self-directed, and able to work independently
- Up to 2 years from graduation of B.Sc or M.Sc.
- Students terminating their studies by summer of 2015 may apply

Advantages:

- Scripting (Shell/SKILL/PERL/TCL)
- RTL coding
- Processor's architecture
- Deep submicron technologies and basic device physics
- Custom design

Grades sheets must be added to the application.

Required

- Bachelor's Degree
- Basic knowledge in VLSI & Digital Circuit Design Fundamentals
- English: Fluent
- Hebrew: Fluent

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