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## Intern

437412BR

### Your Role and Responsibilities

IBM Systems group has developed some of the most powerful supercomputers in the World. The technology which is used to develop the circuits is shrinking. The newer technologies and foundries need a faster turnaround time to develop the physical designs which eventually get fabricated on silicon. The layout design also known as a mask layout design is constrained by the foundry and increased challenges with the introduction of new technologies. IBM Systems group has developed some of the most powerful supercomputers in the World. The Server memory development team at IBM India Systems Development Lab (ISDL) works on the latest Server class memory technology which includes developing memory subsystem architecture with DDR4 & DDR5 DRAM DIMM, MRAM, SSD/FLASH and Storage class memory.

You shall get an opportunity to learn about server memory subsystem architecture and emerging memory technology trends. You could expect to perform validation & competitive analysis of new technologies and prototype/engineering samples from suppliers along with hands-on experience in a POWER Server Lab. At the end of the project, you should be able to demonstrate good understanding of a POWER server, suggest improvements on the present validation techniques and show a deeper understanding of server memory architecture.

### Introduction

At ISDL, work is more than a job - it's a calling: To build. To design. To code. To invent. To collaborate. To think along with clients. To make new products/markets. Not just to do something better, but to attempt things you've never thought was possible. Are you ready to lead in this new era of technology and solve some of the most challenging problems in Systems Software technologies? If so, let's talk.

### Required Technical and Professional Expertise

#### Processor Development FE , BE

- Knowledge of Processor Architecture
- Experience with VHDL / Verilog
- Good programming and scripting skills are highly desired
- Hardware based encryption engines and Operating systems
- Working knowledge of VLSI Design cycle, Digital Electronics, Computer Architecture,



- Good programming and scripting skills are highly desired

### Memory

- Working knowledge of VLSI Design cycle, Digital Electronics and Computer systems
- Proficient in different memory technologies and their end uses Proven programming and scripting skills (Python/PERL) are highly desired

### Preferred Technical and Professional Experience

- Strong Communication, analytical, interpersonal & problem solving skills
- Ability to deliver on agreed goals and the ability to coordinate activities in the team/collaborate with others to deliver on the team vision
- Ability to work effectively in a global team environment

### Required Education

Bachelor's Degree

### Preferred Education

Master's Degree

### About Business Unit

IBM Systems helps IT leaders think differently about their infrastructure. IBM servers and storage are no longer inanimate - they can understand, reason, and learn so our clients can innovate while avoiding IT issues. Our systems power the world's most important industries and our clients are the architects of the future. Join us to help build our leading-edge technology portfolio designed for cognitive business and optimized for cloud computing.

### Your Life @ IBM

What matters to you when you're looking for your next career challenge?

Maybe you want to get involved in work that really changes the world? What about somewhere with incredible and diverse career and development opportunities – where you can truly discover your passion? Are you looking for a culture of openness, collaboration and trust – where everyone has a voice? What about all of these? If so, then IBM could be your next career challenge. Join us, not to do something better, but to attempt things you never thought possible.

Impact. Inclusion. Infinite Experiences. Do your best work ever.

### About IBM

IBM's greatest invention is the IBMer. We believe that through the application of intelligence, reason and science, we can improve business, society and the human condition, bringing the power of an open hybrid cloud and AI strategy to life for our clients and partners around the world.

Restlessly reinventing since 1911, we are not only one of the largest corporate organizations in the world, we're also one of the biggest technology and consulting employers, with many of the Fortune 50 companies relying on the IBM Cloud to run their business.



At IBM, we pride ourselves on being an early adopter of artificial intelligence, quantum computing and blockchain. Now it's time for you to join us on our journey to being a responsible technology innovator and a force for good in the world.

### Location Statement

When applying to jobs of your interest, we recommend that you do so for those that match your experience and expertise. Our recruiters advise that you apply to not more than 3 roles in a year for the best candidate experience.

For additional information about location requirements, please discuss with the recruiter following submission of your application.

### Being You @ IBM

IBM is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, pregnancy, disability, age, veteran status, or other characteristics. IBM is also committed to compliance with all fair employment practices regarding citizenship and immigration status.

#### Country/Region

India

#### State / Province

MULTIPLE

#### City / Township / Village

MULTIPLE CITIES

#### IBM Business Group

Systems

#### Primary job category

Other

#### Secondary Job Category

Unassigned

#### Role ( Job Role )

Student/Intern

#### Employment Type

Full-Time

#### Contract type

Internship

#### New Collar Role

No

#### Early Professional Track

No Track

#### Position Type

Intern

#### Travel Required

No Travel

#### Company

(0063) IBM India Private Limited

#### Is this role a commissionable/sales incentive based position?

No



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