

Job Description	
Position	Software Developer
Designation	Developer – Python
Department	MPSeDC
Job Location	Bhopal
Position Type	Contractual upto 2 years. Extendable basis performance

**Job Objective:**

A Python Web Developer is responsible for writing server-side web application logic. Objective of this job is to part of development teams (open-source) for IT projects; Evaluate Technical architectures and provide recommendations; collaborate with DCO /CT teams at data centre, software development teams, Infrastructure outsourcing team, DBAs, network administrator as a consortium (Centre of Excellence); Participate & own data centre upkeep and expansion plans, Liaison with user departments for state data centre usage, upkeep of client assets, own & drive Archival/ back up/ Restoration policies, Benchmark new technologies; work on continuous up-gradation of technical artefacts.

Primary Responsibilities of the Role
<p><b>Job Role Pointers:</b></p> <ol style="list-style-type: none"> <li>1. Work experience as a Python Developer</li> <li>2. Expertise in at least one popular Python framework (like Django, Flask or Pyramid)</li> <li>3. Knowledge of object-relational mapping (ORM)</li> <li>4. Familiarity with front-end technologies (like JavaScript, CSS3 and HTML5)</li> <li>5. Team spirit</li> <li>6. Good problem-solving skills</li> <li>7. Implementation of security and data protection</li> <li>8. Familiarity with event-driven programming in Python</li> <li>9. Understanding of the differences between multiple delivery platforms, such as mobile vs desktop, and optimizing output to match the specific platform</li> <li>10. Able to create database schemas that represent and support business processes</li> <li>11. Strong unit test and debugging skills</li> <li>12. Proficient understanding of code versioning tools such as Git, Mercurial or SVN</li> <li>13. Knowledge of user authentication and authorization between multiple systems, servers, and environments</li> <li>14. Understanding of the threading limitations of Python, and multi-process architecture</li> <li>15. Good understanding of server-side templating languages such as Jinja 2, Mako, etc depending on your technology stack</li> <li>16. Understanding of RDBMS concepts with MySQL/Oracle/Postgres</li> <li>17. Understanding of NoSQL database like MongoDB and its integration with Python</li> </ol>

Candidate Profile Details	
Essential Criteria	Desirable Skills & Experience
<p><b>Education:</b></p> <ul style="list-style-type: none"> <li>• B.E. / B. Tech (in any stream) / MCA/ MSc (CS/IT) or Post-graduation in CS/IT.</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• Minimum 2 years of relevant experience.</li> <li>• Work experience must span over minimum 2 web based development assignments.</li> </ul>	<ul style="list-style-type: none"> <li>• Working experience for government clients would be an added advantage.</li> <li>• Relevant Certification etc.</li> <li>• Knowledge of CMMi framework.</li> <li>• Technology benchmarking experience.</li> <li>• Functional and Unit testing.</li> </ul>