

Terms of Reference

About Andhra Pradesh Medtech Zone (AMTZ)

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Andhra Pradesh MedTech Zone (AMTZ) is India's premier medical technology manufacturing cluster and one of the world's largest MedTech ecosystems, housing **180+ companies** engaged in the research, development, and manufacturing of life-saving medical devices. Built in a record **342 days**, AMTZ offers world-class common manufacturing and scientific facilities, including advanced testing laboratories, 3D printing, laser, biomaterial, and irradiation centers. During the COVID-19 pandemic, AMTZ played a critical national role by producing **100+ ventilators, 500 oxygen concentrators, and 1 million RT-PCR kits per day**, while also deploying innovative solutions such as mobile hospitals, RT-PCR vehicles, and oxygen plants to strengthen healthcare delivery across India.

Company Website:

<http://amtz.in/>

<http://kiht.in/>

<http://biovalley-amtz.in/>

<https://medivalley-aic.in/>

Job Title

Consultant-IT (Senior Software Engineer)

Key Responsibilities

1. You will Design, develop, and optimize full-stack applications while managing Cloud infrastructure and DevOps pipelines. You will ensure secure, efficient, and scalable solutions while adhering to industry best practice.
2. Full Stack Development: Build, test, deploy, and maintain complex web applications using Python (Django), React, and PostgreSQL.
3. Database Management: Design and develop ERDs (Entity Relationship Diagrams) for efficient database structuring and optimization.
4. Code Quality: Write clean, efficient, maintainable, and well-documented code following industry standards.
5. Performance Optimization: Conduct code reviews, debugging, and refactoring to ensure high-quality development practices.
6. Core Module Development: Build secure, scalable, and high-performance software components.

Qualification & Experience

1. **Education:** Bachelor's/Master's degree in Computer Science, Engineering, or a related field.
2. Experience: Minimum 5-8 years of experience in full stack development.
3. Technical skills and proficiency in Python (Django), React, PostgreSQL, DevOps, AWS, PaaS, VMware vSphere, CI/CD, and SSL security.
4. Application development with a strong ability to design, develop, and optimize scalable applications using modern frameworks.
5. Computer literacy including advanced proficiency with Microsoft Office (Excel, Word & PPT).
6. Excellent communication and presentation skills, analytical, problem-solving skills and interpersonal abilities, Decision-making, excellent oral and written communication skills in English.
7. Must have Team Spirit, Agility, Leadership, Initiative, time management, prioritizing and the ability to handle a complex and varied workload.
8. Must maintain confidentiality and discretion in all aspects and be comfortable with a flexible working schedule to meet the needs of the Company.
9. Ability to handle urgent matters, multiple tasks, simultaneously and quickly complete the assigned tasks.
10. Willingness to Travel & Age up to 35 years.