Full Stack Lead – Innovation Projects (Web Focus)

CONTRACT - ONE (1) YEAR FIXED TERM CONTRACT (HYBRID)

The Knowledge Translation Unit (KTU) is a health systems research organisation that strengthens healthcare, especially in LMICs, through clinical guidance and digital innovation.

We are seeking a **hands-on and mission-driven Full Stack Developer to work on web-based innovation projects**. This role suits an experienced developer who enjoys problem-solving, building impactful tools, and contributing meaningfully to global primary healthcare.

Core Objective:
To design, develop, and maintain KTU's digital solutions with a focus on scalable, secure, and user-friendly web applications. The role requires full stack development across the entire lifecycle of digital product development.

Minimum Requirements:
- Bachelor's Degree or Advanced Diploma in Computer Science or equivalent experience in software development.   - At least 5 years of experience in full stack development.   - Deep expertise in HTML, Java, SQL databases, and PHP.   - Solid experience with front-end frameworks (e.g., Vue, React or Angular) and back-end architecture.   - Experience working with web servers, APIs, and database design.   - Track record of writing efficient, maintainable, and secure code.   - Excellent teamwork, communication, and collaboration skills.   - Ability to prioritise and deliver in a fast-paced environment.

Advantageous:
- Exposure to the health sector or digital health.   - Familiarity with DevOps or DevSecOps best practices.   - Experience with UI/UX design principles.   - Knowledge of or experience integrating AI or LLM technologies.

Key responsibilities:

- Build and maintain scalable, secure, and intuitive full stack web applications in line with KTU's strategy.
- Participate in the end-to-end development process—from concept through to implementation and support.
- Collaborate closely with researchers, clinicians, and designers to co-create effective digital tools.
- Take responsibility for technical quality and timely delivery of project tasks.
- Stay up to date with emerging web technologies to ensure systems remain robust and current.
- Research and recommend software tools that best serve the needs of the unit.
- Liaise with software suppliers to support implementation and ongoing integration.
- Troubleshoot, debug, and enhance existing systems to improve performance and functionality.
- Ensure secure development practices and proactively manage system risks
- Share technical knowledge with colleagues and contribute to continuous improvement within the team

How to apply:
Send email to *ktu@uct.ac.za* with the subject **Full Stack Lead-June/July 2025**

- Attach:
  - Curriculum Vitae
  - Highest qualification certificates
  - Include details of at least (2) current contactable referees'

Incomplete applications will not be considered.

Closing date for applications is 7 July 2025 4pm SAST

Only applicants who have completed the above applications steps, will be considered. We are committed to equity in our employment practices. It is our intention to appoint individuals with the aim of meeting our equity objectives.

We reserve the right not to appoint if no suitable candidates are identified.

Vision:

To improve the quality of primary healthcare for underserved communities through pragmatic research, evidence-based implementation, evaluation, and engagement of health systems, their planners, providers and communities.

For more information about the organization please visit our website at
www.knowledgetranslation.co.za