

## Job Opportunity

<b>Job Title:</b>	Senior Software AI/ML Engineer – Women’s Health
<b>Job ID:</b>	#T26001
<b>Job Type:</b>	Full-time, 6 months (opportunity for extension)
<b>Work Location:</b>	Hybrid work (mainly remote; in-office meetings 1-2 days per month)
<b>Co-working Offices:</b>	2115 South Service Rd. W, Oakville, Ontario, L6L 5W2 Innovation Factory, 178 Longwood Rd. S, suite B21, Hamilton, ON, L8P 0A1
<b>Start Date:</b>	May 1, 2026

### COMPANY OVERVIEW:

A startup company of Optimal Innovation Group Inc., the [Healthyher.Life](https://www.healthyher.life) is a Canadian women’s health care navigation platform that provides women access to hormonal health solutions that include including a Knowledge Center, Hailey AI Health Concierge®, Women Talking™ learning events and a Marketplace of health products. Our mission is to help women manage chronic, life-disrupting hormonal health conditions such as Menopause, PCOS, PMDD, Endometriosis, and Thyroid disorders. The platform has a growing community of 500+ registered members and 2500+ email and social subscribers. Our venture has participated in Canada’s top tech accelerator programs, including NEXT AI 2024, Collision 2024, Communittech, Innovation Factory-LIONS LAIR gala, and a member company of Femtech Canada.

### JOB SUMMARY:

We are seeking a **Senior Software AI/ML Engineer (Masters Degree, or Bachelors Degree with industry experience) – Women’s Health (Job ID #T26001)** to join our team for a 6 month contract (and opportunity for extension with great performance), and support the development of our AI-technology solutions for women’s health applications – namely our agentic AI assistant app — Hailey®, Your AI Health Concierge® — and our PAD AI solution app (Patient Assessment and Diagnostic AI, for PCOS). Both AI technologies are at MVP development stage and operating commercially, with a plan for scaleup integration and new feature development. The projects will have a broad and evolving scope, involving optimizing solution architecture with RAG systems, agentic solutions and AI model orchestration, leveraging insights from anonymized user input data analysis and customer workflow to optimize and refine the AI solution model, and augment the app performance under stress user-testing. We are seeking a smart, versatile and self-starter individual who is passionate about women’s health, who can work independently as a full-stack software developer and advance the AI solution engineering, under the guidance of our remote CTO advisor. The candidate we want to recruit is a person seeking to be a founding engineer of Healthyher.Life, and who cares deeply about applying their skills and knowledge in AI and full-stack development to deliver a high impact healthcare solution to more than 100 million women globally. The need for continuous learning, technical challenge, diversity of knowledge and a fast pace to deliver a useful product is something that you thrive on.

### DUTIES & RESPONSIBILITIES:

The range of work responsibilities will include:

- Design AI solution architectures that scale with health industry security protocol, and optimize development of the AI solution for integration into a multi-tenant web platform offering solutions to support women’s hormonal health care (see <https://www.healthyher.life/> )
- Perform a needs analysis, plan workflow outlines, and execute known methodologies to orchestrate several AI models and develop the AI solutions for deployment at scale with the required functions.

- Conduct R&D on women's health data to collect appropriate datasets from which to train and refine the performance of our AI models. Organize, process and refine the data to provide quality intelligence for the AI models.
- Conduct iterative application testing of the AI models, to achieve results with high accuracy (correctness) and consistency, to ensure a high quality and trusted AI experience for patients as end-users.
- Implement specific tools and resources (BERTscore, semantics tools, LangChain framework, Chain-of-Thought prompting) to evaluate and improve the performance of our AI models.
- Applies knowledge to develop agentic AI functions to our models (e.g., memory recall, appointment booking, session note summaries, etc.) as deemed appropriate for the customer organization, with the capacity for scaleup.
- Regularly review and share updates on new AI technology frameworks, models and tools, as well as conduct competitor analysis of similar AI solutions apps.

#### SKILLS & QUALIFICATIONS:

- University degree (Master's with 1 year experience; or Bachelors with 3 years experience) in computer science/Math, Computer Engineering, AI-ML software development, Data Science/Data Engineering, or similar.
- Minimum 1 year of industrial work experience in software development (preferably in digital health technology), computational science, data science (NLP), and building AI/ML models with the latest tool kits (e.g., CNN, PyTorch, TensorFlow, Random forest, BERT-architecture models).
- Experience in designing & building orchestrated agentic AI frameworks using relevant commercial LLMs is considered an asset.
- Proven experience as a full-stack software development for web/mobile applications; demonstrated programming skills in Python, Java, MSQl, Mongo, R, Django, PHP, JavaScript, CSS/HTML, React, .NET, JSON, and similar. **Please provide link to your portfolio on Github.**
- Experience with UX/UI front-end development and UI design using common tools such as: Figma, React, MSQl, Javascript, CSS/HTML, PHP, etc. **Please provide link to your portfolio on Github.**
- Advanced skills in project planning and coordination, skilled at project documentation and visually organizing technical objectives, gaps and results; good data analysis skills, and confidence in your communication abilities.
- Takes full accountability for the quality of tech development work; demonstrates ethical, responsible and trustworthy work and personal behaviours.
- You care deeply about women's health issues; obtained past experience in working with private information, clinical datasets and ensuring that patient health information is secure (i.e., you have knowledge or experience about HIPAA and PIPEDA compliance for sensitive data).
- Confidence to work independently with limited technical guidance from a senior technology advisor (about 1-2 times per week); able and willing to work collaboratively by sharing knowledge responsibly and respectfully with team members.
- You are someone who possesses 'step up leader' personality trait - someone who learns quickly, able to adapt swiftly to changing priorities, and steps up to take initiative when appropriate, with management consent.
- Fluent in English language, especially for written documentation of your work. French bilingual skills are an asset. Highly proficient in commonly used work productivity software (MS 365, Google).

**WHAT WE OFFER:**

- **Note: this job is only open to Canadian citizens and Permanent Residents;** this is because the position will be funded partly by Canadian government grants that are restricted to only these two status criteria. We regret that we are not able to employ candidates with an Open Work Permit at this time, nor those who are non-Canadian residents.
- Full-time hours with salary (ranging from \$35 – \$40/hr, depending on skills and experience)
- Hybrid work, mostly remote but also requiring a monthly in-person meetings at our coworking office locations in Oakville, Hamilton, or Kitchener-Waterloo (Ontario). Exclusively remote work is permitted for candidates who are living outside of Southern Ontario region.
- We provide professional development opportunities for learning, attending workshops and local professional conferences focused on AI/ML technologies.

If this internship opportunity interests you, and you possess the skills and qualifications to succeed in this role, then please forward your resume to [careers@healthyher.life](mailto:careers@healthyher.life). This job is only available to Canadian citizens or permanent residents of Canada. We thank all applicants who express an interest in the job opportunity, but only those applicants who meet our requirements will be invited for an interview. Healthyher.Life uses hiring practices that are aligned with Canada's human rights laws and Ontario labour laws, and we ensure that every person is treated equally and fairly for employment, regardless of race, color, creed/religion, gender, sexual orientation, marital status, age, mental or physical disability.