Job Title: Lead Full Stack Engineer-Digital Public Health Program

Duty Station: Delhi (with travel to program locations)

Reporting to: Chief Strategy Officer – Digital Health

Key Responsibilities

- Lead the design and development of scalable, cloud-native digital health applications.

- Translate user and field requirements into scalable technical designs and MVPs.

- Build and deploy full-stack web/mobile apps (React/Next.js, Flutter, PWA platforms).

- Design and implement clean, modular APIs and integrate external services (Gemini API, WhatsApp/Gupshup, Google Sheets, Firestore, etc.).

- Handle database setup and schema design (Postgres, Firebase, SQLite).

- Optimize apps for low bandwidth environments with offline-first and multilingual support.

- Build and maintain modular, interoperable systems using GCP (Cloud Run, Firestore, Cloud Functions, BigQuery).

- Support the development of WhatsApp-based workflow and nudge systems.

- Integrate ASR-LLM-TTS pipelines, predictive AI workflows, and community feedback analytics to enable proactive, personalised interventions.

- Work closely with data/AI engineer to embed intelligence into products, including predictive risk models, smart nudges, and AI-assisted decision support.

- Establish DevOps best practices (version control, CI/CD, deployment automation).

- Document architecture, APIs, and workflows to ensure scalability and handover readiness.

Skills and Experience

- B.Tech/M.Tech in Computer Science or a related discipline.

- 3–7 years of full-stack development experience with proven end-to-end product ownership. Experience in digital health, GovTech, or other social impact domains is a plus.

- Prior experience building and deploying applications on GCP.

- Experience integrating APIs for chatbots or low-code automation platforms (Glific, Gupshup, WATI, Twilio, etc.).

- **Frontend:** React/Next.js, Flutter.

- **Backend:** Node.js (Express/Nest), Python (FastAPI/Django).

- **Database:** PostgreSQL, Firestore, BigQuery.

- **Cloud:** GCP (Cloud Run, Functions, IAM, Secret Manager, Cloud Storage).

- **DevOps:** Docker, GitHub Actions, automated testing and deployment.

- **Preferred add-ons:** Experience integrating AI workflows (LLM, predictive models, ASR/TTS) and designing UI/UX for low-literacy, rural health workers.

Personal Attributes

- Takes ownership from design to deployment, balancing autonomy with accountability.

- Comfortable balancing rapid prototyping with robust, maintainable code.

- Strong problem-solving orientation and hands-on approach.

- Passion for building technology that drives social change.

- Collaborative, empathetic, and comfortable working across disciplines.

For more details:contact @pmspl.net.in