

JOB DESCRIPTION

Position	Principal Architect-Digital Health Platform
Work Location	Delhi
Employment	Payroll

About ARMMAN

Founded in 2008, ARMMAN is a non-profit leveraging mobile health (mHealth) technology to create scalable, cost-effective, equity-based and gender-transformative, non-linear, systemic solutions to reduce maternal and child mortality and morbidity in India. We work directly with pregnant women and mothers to improve their health seeking behaviour while building capacities of health workers at all levels to ensure efficient antenatal and childhood care, and timely diagnosis, management and referral of high-risk conditions during pregnancy and infancy.

We adopt a “tech plus touch” approach leveraging the deep mobile penetration in the country, along with existing health worker networks of the government and partner NGOs to improve health outcomes.

- Interventions implemented by ARMMAN have reached over 80 million women and 554,592 health workers across 27 states to date.
- ARMMAN has received several awards and honours including the Skoll Award for Social Entrepreneurship 2020 and MIT Elevate Prize 2021, as well as grants from Co-Impact, Google.org, USAID, and others.

Role Overview

We are seeking an experienced Principal Architect to lead the architecture, engineering execution, and technology modernization of our Digital Health Platform.

This role will drive the transformation of multiple standalone applications into a unified, scalable platform that enables rapid delivery of healthcare products and services. The Principal Architect will provide technical leadership across architecture, engineering, delivery, and vendor teams while ensuring technology investments align with organizational goals and long-term platform strategy.

The ideal candidate is a hands-on technology leader with strong expertise in platform engineering, distributed systems, data architecture, and modern software development practices.

Roles and Responsibilities

1. Platform Architecture & Technology Strategy

- Define and own the architecture, technology roadmap, and platform strategy for the Digital Health Platform.
- Drive the consolidation and modernization of existing applications into a scalable, reusable, and secure platform.
- Establish architecture standards, engineering best practices, and technology governance.

2. Engineering Leadership & Delivery

- Lead Tech Leads, engineering teams, and vendor partners to successfully deliver strategic technology initiatives.
- Ensure architecture integrity, engineering quality, operational excellence, and predictable delivery outcomes.
- Drive modernization, automation, and continuous improvement across the engineering

organization.

3. Solution Design & Platform Engineering

- Design scalable, resilient, API-first, and event-driven solutions that support multiple products and business functions.
- Define platform capabilities, integration standards, and data architecture that enable interoperability and reuse.
- Ensure solutions meet security, performance, reliability, and operational requirements.

4. Stakeholder Management & Innovation

- Partner with business, product, and operations stakeholders to translate organizational goals into technology solutions.
- Communicate architecture decisions, roadmaps, and delivery progress to leadership teams and key stakeholders.
- Drive adoption of AI-assisted engineering practices, cloud optimization, and operational efficiency initiatives.

Qualification & Skills

1. Education

- Bachelor's degree in Computer Science, Information Technology, Software Engineering, Electronics & Communication, or a related engineering discipline
- Master's degree is an advantage but not mandatory.

2. Experience

- 12+ years of experience in software engineering, technical architecture, enterprise architecture, or technology leadership roles.
- Proven experience designing and delivering enterprise-scale platforms, distributed systems, and digital products.
- Experience leading engineering teams, Tech Leads, and vendor partners.

3. Technical Expertise

- Strong expertise in Platform Architecture, Distributed Systems, Microservices, API-First Design, and Event-Driven Architecture.
- Hands-on experience with Node.js, Python, Golang, modern backend application development, and scalable data modelling.
- Experience with Cloud Platforms (AWS, Azure, or GCP), Kubernetes, CI/CD, and modern engineering practices.
- Strong understanding of security, scalability, resilience, performance engineering, and operational excellence.
- Experience designing enterprise data models, ETL/data pipelines, data governance frameworks, and scalable analytics platforms with large data volume in Terabytes.

4. Leadership & Business Skills

- Strong stakeholder management, communication, presentation, and problem-solving skills.
- Ability to balance strategic architecture decisions with hands-on execution and delivery ownership.
- Proven ability to lead cross-functional teams and drive technology transformation initiatives.
- Strong mentoring and coaching capabilities with the ability to build high-performing engineering teams.

5. Preferred

- Experience in Healthcare, HealthTech, Social Impact, or Digital Platform organizations.
- Experience building multi-tenant platforms, shared services, and reusable platform capabilities.
- Exposure to AI/ML, GenAI-assisted development, cloud cost optimization, and modern platform engineering practices.
- Experience of working with Indian government officials and handling large data volume.

How To Apply

- Interested candidates please send the application with your updated resume to careers@armman.org
- Please use “Principal Architect -Delhi” the subject line for the application mail.