Google Cloud for Startups

Healthcare AI Partnership Proposal

Integrated Health Empowerment Program (IHEP)

Expanding Existing Partnership to Full Cloud Platform

Request: Google Cloud for Startups Credits and Technical Partnership
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Executive Summary

IHEP has an existing business partnership with Google Cloud for Healthcare API access. This proposal seeks to expand our partnership to the full Google Cloud for Startups program, accessing additional cloud credits, technical resources, and go-to-market support.

Current Partnership Status

- Business Partnership Agreement: Executed
- Healthcare API: Access provisioned and validated
- Cloud Credits: $2,000 allocated for startup development

Expansion Request

- Google Cloud for Startups: Full program enrollment
- Additional Credits: $100,000 for production scaling
- Technical Review: Architecture approved by Google Cloud Healthcare team
- Technical Support: Dedicated solutions architect
- Go-to-Market: Co-marketing and customer introductions

Technical Architecture on GCP

IHEP is built natively on Google Cloud Platform:

Core Services

Service	IHEP Usage	Current Spend
Cloud Healthcare API	PHI storage, FHIR R4, de-identification	$15,000/mo projected
Cloud Run	Serverless backend microservices	$3,000/mo projected
Cloud SQL (PostgreSQL)	Relational database with audit logging	$2,000/mo projected
Vertex AI	Gemini Pro for AI agents, ML training	$8,000/mo projected
Cloud Storage	Document and media storage	$500/mo projected
Cloud KMS	Key management for envelope encryption	$200/mo projected

Projected Monthly Spend at Scale: $28,700

Annual Cloud Spend: $344,400

Security Implementation

IHEP leverages Google Cloud security services:

- Cloud Armor: DDoS protection and WAF
- VPC Service Controls: Network perimeter security
- Cloud IAM: Zero Trust identity management
- Security Command Center: Threat detection and monitoring
- Cloud KMS: Customer-managed encryption keys

Business Case for Google

Healthcare Market Opportunity

IHEP represents a flagship healthcare AI implementation:

- First integrated clinical + financial digital twin on GCP
- Showcase for Healthcare API in production at scale
- Demonstration of Vertex AI in HIPAA-compliant environment
- Potential case study for Google Cloud marketing

Growth Trajectory

Year	Participants	Monthly GCP Spend	Annual GCP Spend
Year 1	300	$8,500	$102,000
Year 2	2,500	$28,700	$344,400
Year 3	10,000	$72,000	$864,000
Year 5	50,000	$180,000	$2,160,000

5-Year Cloud Spend Projection: $5.4M+

Co-Marketing Opportunity

IHEP offers compelling content for Google Cloud marketing:

- Case study: AI-driven healthcare transformation
- Speaking opportunity: Google Cloud Next, HIMSS, etc.
- Blog post: Building HIPAA-compliant AI on GCP
- Reference customer: Enterprise healthcare sales support

Request Summary

Request	Value	Justification
Cloud Credits	$200,000	Production scaling for Year 1-2
Solutions Architect	Dedicated support	Complex healthcare architecture
Technical Training	Team certification	Ensure best practices
Go-to-Market	Customer intros	Health system partnerships

Timeline

- Month 1: Program enrollment and credit allocation
- Month 2-3: Production deployment with SA support
- Month 6: Case study development
- Month 12: Google Cloud Next speaking opportunity

Organizational Capacity

Leadership

Jason Jarmacz, Founder and Principal Investigator

15+ years of healthcare technology and systems architecture experience. Led IHEP from concept to investor-ready platform with complete technical architecture, mathematical security proofs, and production-ready codebase.

Established Partnerships

Partner	Status	Value
Google Cloud Platform	Business Partnership Executed	$2K credits + Healthcare API access
University of Miami Miller School of Medicine	Proposal Submitted	Clinical validation study
Miami-Dade County Ryan White Program	Proposal & LOI going out this week	100-patient pilot cohort

Technical Infrastructure

IHEP has completed comprehensive technical development:

- 45+ architecture documents with mathematical proofs
- Production-ready codebase (React/Next.js, Python Flask/FastAPI)
- Complete NIST SP 800-53r5 control mapping (297/305 controls implemented)
- Seven-layer security framework with formal verification
- Digital twin rendering engine (Three.js + OpenUSD)