

## KUMARIL BHATTACHARYA

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### SUMMARY

Senior Director of Engineering with 25+ years of experience leading enterprise healthcare platforms across cloud and on-prem deployments. Proven track record managing multi-pod, globally distributed engineering teams, owning end-to-end delivery from roadmap to commercialization, and driving operational excellence through CI/CD, DevSecOps, and reliability practices. Deep experience in regulated healthcare environments (HIPAA, GDPR, SOC2), interoperability (FHIR, HL7, EDI), and modern engineering transformations that directly support revenue realization and customer success.

**Hybrid Cloud Infrastructure Strategy | Healthcare IT Leadership | Healthcare Claims and Enrollment expertise (EDI 837 / 834) | Microservices-based Architecture | Cloud Platforms Development | Design Hybrid Cloud Infrastructure | Data Pipelines | Data Governance | Product Management | Software Engineering | HIPAA Cloud Compliance and Security Management | Domain Driven Design | Product Development**

### EXPERIENCE

ABU DHABI HEALTH DATA SERVICES (M42 COMPANY)

Abu Dhabi, UAE, (On-Site)

**Director of Engineering** 2025-2026

- Led multiple engineering PODs across geographically distributed teams, delivering a Health Information Exchange (HIE) platform across cloud and on-prem environments.
- Owned enterprise-scale delivery, including production readiness, commercialization support, and regional customer deployments across Middle East and Africa.
- Defined and implemented standardized engineering processes, tooling, and CI/CD pipelines (Azure DevOps, DevSecOps) across 20+ services, improving release consistency and operational supportability.
- Partnered with Product, Legal, Clinical, and Pre-Sales teams to translate regulatory and market requirements into prioritized roadmaps, milestones, and release plans.
- Embedded HIPAA, GDPR, and national health compliance into delivery practices through consent management, auditing, and security controls.
- Drove cross-team dependency management, proactively identifying risks and unblocking critical path initiatives impacting go-to-market timelines.
- Supported AI-enabled clinical decision products from prototype to market delivery, enabling new revenue opportunities.

INFERSCIENCE

Newton, Massachusetts, (Remote)

**VP of Engineering** 2025

- Led and developed a globally distributed engineering organization (12+ engineers) delivering a cloud-native healthcare SaaS platform integrated with major EMRs (Epic, Cerner, AthenaHealth).
- Owned delivery execution, release planning, and operational readiness for HIPAA-compliant SaaS deployments.
- Partnered with Product and UX to define realistic roadmaps, milestones, and release plans, incorporating usability and GTM feedback loops.
- Drove modernization from a monolith to domain-based microservices, improving scalability, security posture, and long-term platform sustainability.
- Established engineering quality practices, including test strategy, defect management, and release readiness criteria.
- Oversaw HIPAA, SOC2 compliance and planning for HITRUST certification.

WALMART HEALTH

Hoboken, New Jersey (Remote)

**Director / Principal Cloud Architect**, 2022-2024

- Led cross-functional engineering and architecture teams delivering hybrid cloud healthcare platforms supporting enterprise-scale operations.
- Owned release readiness and deployment strategies across cloud and on-prem systems, ensuring high availability and regulatory compliance.
- Partnered with Product, Architecture, and Operations to align business priorities with technical roadmaps.
- Drove interoperability initiatives (FHIR, HL7, EDI) enabling omnichannel patient experiences and payer integrations.
- Established platform reliability, observability, and security standards for HIPAA-compliant production systems.
- Championed modernization of legacy systems to scalable, reusable, domain-driven platforms.

OPTUM, INC.

Basking Ridge, New Jersey (Remote)

**Director, Enterprise Architect**, 2017-2022

- Led enterprise modernization initiatives across claims, care management, and clinical platforms involving multiple engineering teams.
- Drove integration of systems, processes, and delivery execution across business units (Enterprise, Medicare, Medicaid).
- Defined reference architectures and delivery standards for hybrid-cloud healthcare systems.
- Supported leadership decision-making through risk analysis, feasibility assessments, and dependency planning.
- Developed and mentored engineering leaders, improving delivery velocity and execution predictability.

PHRQL, INC.

Pittsburgh, Pennsylvania

**Co-Founder, Chief Technology Officer and Cloud Architect, 2012-2017**

- Grew revenue to \$350K within two years of product launch in a niche market with long sales cycles.
- Designed a SaaS public-cloud based (AWS, Rackspace), HIPAA compliant, dietitian EHR that is based on IDNT and the nutrition-care process workflows; Pioneered specialty cloud-based, affordable EHR for retail-based dietitians and independent dietitians.
- Led team of 10+ offshore and in-house software engineers and data scientists.
- Partnered with marketing and sales to close enterprise retail customers and captured 60% of the retail segment.
- Designed a product portfolio that addressed the needs of a market segment for HIPAA compliance and other dietetic services.
- Created and maintained a product roadmap based on Agile principles.
- Interfaced with customers to gather requirements and create opportunities for upselling new modules on a SaaS platform.

**ADDITIONAL EXPERIENCE**

STEALTH MODE, San Jose, California, **Co-Founder**, 2010-2011. Designed and developed cost-effective and portable home-care solutions for chronic illnesses around the world, geared toward juveniles who wanted to manage diabetes by using a social environment. Created solutions to run on the iPhone and Android platforms.

CISCO SYSTEMS, INC., San Jose, California, **Senior Software Engineer**, 2005-2011. Led the development and management of three network-management products. Increased the productivity of new offshore engineers by 30% and increased revenue by \$5M through faster support for the new optical switch hardware. Developed solutions that allowed Cisco's customers to keep using legacy applications more effectively while Cisco saved 8,000 staff hours per year in maintenance costs.

CISCO SYSTEMS, INC., San Jose, California, **Customer Support Engineer**, 2002-2005. Created a process for minor releases for critical issues and achieved a 20% reduction in the number of outstanding customer issues. Reduced the turnaround time by 25% for critical customer cases. Achieved a 60% decrease in customer issues and won the CTM team "Build in Quality" Champions award.

CISCO SYSTEMS, INC., San Jose, California, **Test Engineer**, 2001-2002. Tested WAN switches and managed network resources for test teams. With Cisco Labs updates, achieved a 50% decrease in time to reproduce customer problems.

**TECHNICAL SKILLS****Engineering & Delivery Leadership**

- **Multi-POD Engineering Leadership**
- **Enterprise Release Management (Cloud & On-Prem)**
- **CI/CD, DevSecOps, Automation**
- **Platform Reliability & Observability**
- **Secure & Regulated Software Delivery (HIPAA, GDPR, SOC2)**

**Healthcare & Interoperability**

- **FHIR, HL7, EDI (834/837)**
- **EMR Integrations (Epic, Cerner, Athena)**
- **Identity, Consent, and Data Governance**

**Cloud & Platforms**

- **Azure, AWS, GCP**
- **Microservices & Domain-Driven Design**
- **Hybrid Cloud Architectures**

**EDUCATION**

CARNEGIE MELLON UNIVERSITY, Pittsburgh, Pennsylvania, **M.S., Software Management**

UNIVERSITY OF MISSOURI, Kansas City, Missouri, **M.S., Computer Science**

PUNE INSTITUTE OF COMPUTER TECHNOLOGY, Pune, India, **B.Eng., Computer Science**