

# ASHISH SHARMA

Senior Manager/ Chief Engineer



+91 9763476584



[ashish.sharma.ait@gmail.com](mailto:ashish.sharma.ait@gmail.com)



[www.ashishs.in](http://www.ashishs.in)



[linkedin.com/in/ashishsharmaait](https://linkedin.com/in/ashishsharmaait)



Pune, India



## Profile

Innovation focused software executive with a deep technical background, I love building strong, mission driven and highly engaged engineering teams. I have a strong work ethic and focus on organization building.

I am enthusiastic about,

- Driving customer experiences through technology and innovation
- Hiring, mentoring, and growing top talent for R&D
- Technology transformations, rearchitecting on-prem systems to the hybrid cloud
- Productivity gains for customers and the enterprise using AI in Healthcare.

## Key Skills

Artificial Intelligence and NLP in Healthcare

Passionate Mentor and Organization Builder, Campus Recruitment

Hands-on in full stack, polyglot development using .Net, Java, Kotlin and goLang

Hybrid cloud with Azure.

## Domain Expertise

Oncology Information Systems (ARIA) & Radiation Oncology

21 CFR 892.5050 Class II Medical Devices

DICOM, HL7, FHIR, SMART on FHIR, LLMs and Clinical Documentation Improvement

Patient reported outcomes for Radiation and Medical Oncology

## Education

Graduate Certificate in AI for Healthcare, NUS, Yong Loo Lin School of Medicine

**Pursuing** MS in Health Informatics, NUS, Saw Swee Hock School of Public Health

B.E. (Electronics and Telecommunication), Army Institute of Technology

## Employment History

Senior Manager, Interoperability @ Varian, Dec 2021 – Today

Senior Staff / Senior Manager Architecture @ Varian, Nov 2016 – Dec 2021

Lead Engineering Team for Varian Oncology Platform Server and Client, May 2011 – Nov 2016

Application Developer @ ThoughtWorks, Jan 2009 – May 2011

Software Engineer @ Persistent Systems, Jan 2008 – Jan 2009

Software Engineer @ Indigo Architects, Jun 2006 – Jan 2008

## Introduced concept proposals which are now successful products.

Shared Frameworks and Platforms for Oncology – 2014

DICOM Events, workflow automation for Radiation Oncology – 2016

Rules Engine and Clinical Documentation Improvement using LLMs for Oncology

## Work Experience over the past 10 years

### Senior Manager Interoperability @ Varian, Dec 2021 – Today

- Proposed, secured funding, and engineered a Rules Engine for Oncology, which was a blockbuster at ASTRO.
- Managing a global team of 27 engineers, project managers, engineering managers and clinical specialists. The team is based out of Pune, Beijing & Winnipeg.
- Responsible for engineering Varian's interoperability products - FHIR APIs, FHIR Events, DICOM over FHIR/ DICOM events, HL7 and SMART on FHIR.
- Designed campus hiring, internship and onboarding programs for new hires for CY 2022 and CY 2023. Designed a rewards and retention program, actively working with the recruitment, compensation, and finance.
- Delivered products bringing in \$15 million in direct revenues and enabling more than \$80 million in indirect revenues annually.

### Senior Staff/ Senior Manager Architecture @ Varian, Nov 2016 – Dec 2021

- Responsible for design and implementation of key components of Varian's hybrid cloud, connecting Azure infrastructure with on-prem medical devices.
- Responsible for the conceptualization, design, and implementation of Varian's FHIR web-service APIs and the ongoing commercialization of the developer ecosystem supported by these APIs.
- Member of the software advisory and review board responsible for guiding product teams and reviewing product implementations across Varian. Advised executive management of residual regulatory risks in ARIA oncology product suite.
- Chief Architect, responsible for compliance of Varian's software products with 21st Century Cures Act. Responsible for re-design and implementation of a sizable chunk of ARIA Oncology Information System (KLAS Segment Leader) and ARIA Connect HL7 integration product.
- Lead the engineering team responsible for implementing significant parts of 360 Oncology Coordinated Care Management Platform (an on-cloud SaaS solution) including Multi-Disciplinary Tumor Boards and Patient Reported Outcomes solutions.

### Engineer @ Varian, May 2011 – Nov 2016

- Technical lead for implementation of Varian's Web-Services Gateway and RT Treatment Workflow Automation/Events, deployed over 6000 clinics globally.
- Technical lead for design and development of Comprehensive Cancer Integration Platform, Varian's Localized product suite for Mainland China. Helped build a multi-disciplinary team of 30 developers, managers, usability engineers, clinical specialists over 12 months, working out of Varian's office in Beijing.

## Participation in Events/ Industry Connect

- Part of Varian's delegation to China International Import Expo, Shanghai 2023
- FHIR Dev Days 2019 @ Amsterdam (Presented draft revisions of IHE-RO.XRTS FHIR profiles proposed by Varian)
- Represented Varian's Innovation Engineering Team at CSTRO in 2017
- Regular attendee at Varian Innovation Centre events, collaborating closely with luminary customers.
- Developer evangelist at Varian, responsible for establishing pair-programming/XP at Varian. Set up information radiators for CI and Regression builds at every team area at Varian Pune.