

Architecture Boot Camp



The digital world needs people with design skills.

Architecture matters

A lack of coherence in a digital landscape can severely impact agility as well as budget. But the traditional way of managing complexity through big up-front design no longer works in an agile world. Modern digital architecture is based on collaboration and responsiveness, and requires skills focused on understanding business and technology drivers, and making key design decisions over time, from strategic planning to solution lifecycle management.

In CGI's Architecture Boot Camp, you will learn essential architecture skills such as understanding the trade-offs that go into these architectural decisions, validating and communicating their impact and supporting their implementation in (agile) teams.

The course prepares business consultants, information analysts, project managers and other senior level non-architects to take up architecture responsibilities in their teams, broadening their skillset towards architect roles.

Boot Camp Program

CGI's Architecture Boot Camp consists of nine one-day modules. Through presentations, discussions and exercises, participants learn to apply good architecture practices in their everyday work context. The course combines lectures with group exercises.

| Architecture Boot Camp |
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| 01 Architecture Thinking: What is architecture and why does it matter? A mini case study illustrates key architecture responsibilities and how they are fulfilled. |
| 02 IT Technology Overview: We'll discuss Enterprise Architecture and business technology strategy planning practices to give guidance in the selection of technology, combined with a high-level overview of relevant business and IT strategies and technologies in the modern digital world, including an essential understanding of the main trade-offs involved. |
| 03 Architectural Design: Practicing the core skills of architectural decision making and modeling. We also discuss the value and changing role of design documentation in an agile setting, and how to do "just enough documentation". |
| 04 Requirements, Risk and Cost: Understanding, prioritizing and addressing stakeholder needs and how to address them. We'll practice working with concepts like quality attributes, technical debt and "just enough anticipation", producing business value at a sustainable rate. |



CGI's Architecture Boot Camp is based on RCDA, a Responsive, Collaborative Digital Approach to modern architecture.

“Strong architectural decision making is key to getting the most bang for the buck. Applying RCDA helps us maximize business value in an agile environment.”

Rijn Buve, Chief Software Architect, TomTom

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05 System Integration: Integrating systems or components leads to important architectural concerns. What strategies address these? How do we model and deliver integration, and what are the traps to avoid?

06 Working with Stakeholders: In this very interactive, practice-oriented module we focus on ways to engage with stakeholders using workshop techniques like a Quality Attribute Workshop or Event Storming.

07 Security and Privacy by Design: We will discuss security and privacy as architectural drivers. Which concerns are typically raised, and how are they addressed? What standards should you be familiar with, and how are they applied in practice?

08 Architecture in the Organization: What architecture roles do organizations have? How do the various genres of architecture (Enterprise, Domain, Solution, Software, Infrastructure...) interact and align with business strategy? How do architectures “emerge from self-organizing teams”, and how do autonomous teams function under architecture governance?

09 Case study: Participants take different architecture roles in a real-world end-to-end use case: from roleplaying with stakeholders to producing key design decisions and models, applying all they have learned in previous modules.

Who should attend

Business consultants, information analysts, product owners, scrum masters, tech-leads and other senior level non-architects interested in architecture.

Why you should attend

Good architecture leads to better control over IT spending and risks, as well as more sustainable agility – from the delivery team all the way up to the enterprise level. Broadening your skillset with a wide spectrum of architectural competencies will help you support your organization as a multi-skilled individual in your current role, or grow towards a role as a named architect if you have that ambition.

Competencies acquired

Understanding how business goals and stakeholder needs drive architecture. Making design decisions by balancing long- and short-term interests and other trade-offs. Communicating designs by creating models and translating technical impact to business concerns (and vice versa). Driving sustainable agility and controlling technical debt by designing with *just enough anticipation*.

How to participate

Go to cginederland.nl, search for ‘Architecture Boot Camp’ for scheduled courses and fill out the registration form.

Pricing & duration

€6500 per seat for 9 full course days (open registration).

On-site training is also available, contact eltjo.poort@cgi.com for more information.

About CGI

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

For more information

For more information about RCDA and CGI's Architecture Boot Camp, contact eltjo.poort@cgi.com. For more information about CGI, visit cgi.com, or email us at info@cgi.com.