

Understanding Modern Engineering

An introduction to computing concepts for non-techies

Development teams speak their own language and the pace at which technology is moving makes keeping up difficult. This course is for non-technical people who want a high level understanding of the tools and tech stack used in modern engineering environments. Improve your ability to communicate with your technical teams and better understand their challenges.

1 & 2 day versions of the course are available with customizations upon request.

Topics

- Basic computing concepts
- Networks and distributed systems
- How the web works
- How the Cloud works and differences from data centres
- Popular programming languages and toolkits
- Database concepts
- How programmers manage code
- Common programming problems
- Automated testing
- Software architecture
 - Monoliths vs micro services
 - Challenges of scale
- Automated deployment

The course is interactive using hands-on exercises, analogies, and games to make learning easy, fun, and long lasting.