Recommended Reading

The Pragmatic Programmer

Introduces practical habits and philosophies that help engineers write better code, communicate effectively, and approach problems with a thoughtful, solution-oriented mindset. From topics like version control, automation, and debugging to soft skills like taking ownership and continuous learning, the book covers essential concepts that aren't always taught in school.

Practices of an Agile Developer

Focuses on real-world practices that align with agile principles—like writing clean, testable code, collaborating effectively with teammates, and responding well to change. What makes this book especially valuable is how it breaks down complex ideas into simple, actionable advice. A new engineer will learn how to stay adaptable, communicate clearly, and continuously improve both their code and their mindset. It's a practical, down-to-earth read that helps build confidence and professionalism right from the start.

97 Things every programmer should know

It's a collection of short, insightful essays from experienced engineers across the industry—each one offering a bite-sized piece of advice or a lesson learned the hard way. What makes it so valuable is the range of voices and topics: from writing clean code, to debugging, to working well with others. You don't need to read it cover to cover; you can pick it up, read one or two entries, and walk away with something useful every time. It's like having a team of mentors sharing what they wish they knew earlier.

Clean Code

Teaches the importance of writing code for humans first, not just machines—emphasizing clarity, simplicity, and thoughtful design. Through real examples and clear principles, it shows how to spot bad code and transform it into something clean and efficient. For a new engineer, this book provides a solid foundation in coding craftsmanship and helps instill habits that lead to higher-quality software and better team collaboration over time.

To Sell is Human

This book is about communication, persuasion, and the subtle art of getting your ideas across—skills that are absolutely essential in software development. Whether you're pitching a solution to your team, advocating for a better process, or explaining a technical concept to a non-technical stakeholder, you're "selling" in one way or another. This book makes soft skills approachable and shows that great communication isn't about being pushy—it's about being clear, human, a

Training Topics:

- **Programming Languages & Concepts**
  - C# Basic concepts
  - C# Async Programming (Asynchronous programming - C# | Microsoft Learn)
  - C# Collections
  - LINQ
  - Logger and Debugging

- **Software Design & Architecture**
  - Design Patterns
  - SOLID principles
  - Agile SAFE
  - Azure Cloud and Architecture
- **Testing & Quality Assurance**
  - Testing and Debugging (xUnit)
  - TDD using xUnit
  - BDD using ReqnNRoll
  - Fluent Assertions
  - JSON Serialization (Newtonsoft)
  - Using nSubstitute
- **Data Access & Management**
  - Dapper ORM
  - Data Mapping & Modelling
  - Relationships
  - Stored procedures
  - Azure MS SQL
  - COSMOS DB (data models, APIs, basic querying)
- **Azure & Cloud Technologies**
  - Azure Functions (AWS Lambda)
  - Triggers
  - Durable FunctionsI
  - Timer/BLOB/Queue Storage Trigger, HTTP Trigger)
  - Azure Service Bus
  - Queues
  - Topics
  - Subscriptions
  - Sessions
  - Ordered Messaging
  - Dead Letter Queues,

  - Error handling
  - Azure Storage
  - Storage Accounts
  - Blob Storage
  - Azure DevOps Pipeline
- **Security & Identity**
  - Authentication, Authorization, Identity management
  - Role-based actions
  - JWT Authentication
  - OAuth 2.0 and OpenID Connect