

# CODE IS FOR HUMANS; CODE, COGNITION, DESIGN, AND ENGINEERING.

This book is a compilation of what I have learned from decades of writing software, exploring my cognitive abilities, and working with other humans. It is inspired by years of seeing highly-intelligent engineers obliviously, and repeatedly, making the same mistakes. They did not understand why things kept breaking. They did not understand why code was constantly needing to be re-written, and why changes were so expensive. Despite their intelligence, they were simply unable to build mental models that would help them understand what code is and how it should be written.

This book will give tools, language, mental models and principles, which are critical for developing your craft as an engineer. This book will teach you to differentiate and judge, provide you with a language for discussing and thinking about code, and help you determine the best way to meet your and your organization's goals.



Zohar Jackson served as a Software Architect at Mobileye (Israel's top tech company) and Vice President of Engineering at Visionary.ai. Over twenty years of writing software has led him to work on a large variety of software, including self-driving cars, web applications, projects with intelligence agencies, automated trading for financial firms, computational photography, machine learning, distributed systems, and embedded devices.



PART I: THEORY

CODE IS FOR HUMANS

ZOHAR JACKSON

PART I: THEORY

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Z O H A R J A C K S O N