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This paper presents a few of my personal projects. Screenshots and code are provided on my personal website and/or on GitHub. Private code can be screenshared. The most common tech baseline is Java, Gradle, TestNG and Mockito.

CODE GALLERY

NoMagicHTTP 2020.06 > ongoing public, github	An asynchronous and mostly non-blocking HTTP server built from scratch. 100% Java. The goal is to replace every magic-driven framework on the planet with a beautiful and well documented library.
Money Profiling 2016.06 > 2016.07 public, github	Profiles serialization- time cost and byte size footprint when writing models of a monetary amount to Chronicle Map (uses JMH for benchmarking). Inputs are different models such as Moneta (reference implementation of Java's Money and Currency API) and different serialization frameworks such as Kryo and FST.
Golden Egg 2015 > 2017 private, gitlab	Computer generated investment strategies backtested against data sourced from different providers such as the Swedish government and Quandl. Performance and abstractions were of great importance. I wrote solutions for mathematically described- ranges and streams of extreme length which could be linked, combined and compounded.
Secure Login File Transfer 2010.03 > 2012.03 public, github	An end-to-end example of secure user authentication and encrypted binary file transfer over WebSocket without using public keys or a third party certificate authority. Used the SRP protocol with AES/GCM encryption. The client is written in JavaFX, backend in Java EE.
Live Chat 2012 > 2015 private, gitlab	A complete live chat solution with two front-end clients; one web client is written in HTML/CSS/TypeScript and one fat client written in JavaFX. The backend uses Java EE. The live chat solution was at the time the world's only that featured an optional live typing mode (see *this video*).
Java EE Concepts 2015.03 > 2017.02 public, github	Tons of client-server/in-container test cases using Arquillian that together with killer docs explore and demonstrate Java EE technologies such as JPA, EJB, CDI and JTA.

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