



RICHARD GARAI

SOFTWARE ENGINEER

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ABOUT ME

Software developer with several years of experience in the Financial IT sector, complemented by recent work at a fast-growing streaming platform. I focus on delivering simple, elegant solutions to complex problems and place a strong emphasis on writing clear, maintainable, and readable code. Early in my career, I was influenced by the principles in Clean Code by Robert C. Martin; despite changes in technology, these ideas continue to impact my approach to software development.

I enjoy exploring new technologies and building small, practical projects to support everyday needs, as well as continuously refining my development workflow through improved tooling and editor extensions. I regularly participate in the Advent of Code programming challenge, using it as an opportunity to learn and apply new programming languages.

EXPERIENCE

2022-Present

DISNEY+ (JIOSTAR - CEDEVHUB)

2024-Present

Acquisition & Retention - Staff Software Engineer

Within the Acquisition & Retention team, I was responsible for the development and maintenance of the high-concurrency payment backend for the streaming platform, supporting more than a dozen payment methods. My key achievement was the end-to-end implementation of new Mobile Wallet and Carrier Billing payment options for subscribers in Southeast Asia.

Skills: Java, Golang, MySQL, AWS, Kubernetes, Terraform, Grafana

2022-2024

International Growth - Staff Software Engineer Golang

Senior Backend Engineer on the International Growth team, supporting new country launches and feature experimentation on the streaming platform. My most impactful contribution was the successful implementation of a Twilio-based SNA authentication in the Philippines region, which was subsequently adopted across the entire platform.

Skills: Golang, Java, Python, AWS, Kubernetes, Terraform

EDUCATION

2016 - 2020

Budapest University of Technology and Economics
BSc Computer Science Engineer

2002 - 2007 (unfinished)

Budapest University of Technology and Economics
Computer Science 5-year Programme

1996 - 2002

ELTE Apaczai Csere János Gyakorlogimnázium
High School - Math & Physics Faculty

LANGUAGES

English
State-certified exam: Type C

German
Basic

Hungarian
Native

HOBBIES

 Linux, Open Source

 Self-hosting, private cloud

 Cat Owner

 Bike to Work

 Tabletop

 Games, Modding

2009-2022

MORGAN STANLEY

2019-2022

Credit Risk - Senior Java Developer

Designed and developed a Risk Analysis & Review application. Scaled the application backend using internal cloud-based technologies. Introduced MongoDB into the storage infrastructure to replace the previous inflexible solution.

Skills: Java, Kotlin, Spring, DB2, MongoDB, React, HTML, CSS, JS, TypeScript

2018-2019

Operational Risk Department - Senior Java Developer

Redesigned a mathematical document editing/rendering web application for increased performance. The new version was capable of efficiently handling large amounts of mathematical formulae, while being able to serve 10x more concurrent users.

Skills: Java, Spring, HTML, CSS, JS, MathJax, KaTeX

2017-2018

Operational Risk Department - Full Stack Developer

Improved a web-based process diagram editing application by replacing the diagram printing JavaScript module with a new one, which could handle bigger image resolutions and produce the output files faster.

Skills: HTML, CSS, JS, ExtJS, Java

2013-2017

Core Java Framework Team - Team Lead & Java Developer

Led a team of 5 developers, maintaining and improving an in-house Java and Spring-based application-bootstrapping and data-access framework. The framework and the provided code generators were being used by more than 15 other development teams.

Skills: Java, Spring, Zookeeper, DB2

2009-2013

Risk Reporting - .NET Developer

Worked on an in-house report scheduling platform. I built an automated monitoring and error detection software for the existing product. Later I introduced two new report builders based on existing products.

Skills: C#, WinForms, WPF, Microsoft-Interop, JasperReports, QlikView

Fixed Contract, C# Developer

Developed a timesheet management desktop application with built-in reporting capabilities.

Skills: C#, WinForms, Microsoft SQL Server, CrystalReports

HOBBY PROJECTS



k-anon

A GDPR data anonymization library written in Go, able to transform a provided dataset into the k-anonymous equivalent using graph algorithms.



pill-droid

An Android app that keeps track of your medications, reminding you of the dosage you need to take at the exact right time.



pp-next

An Agile planning poker website written in Go and HTML/JS using Docker and MongoDB.



ngore

An unofficial Go API for the popular national file-sharing platform. Supplemented by a web server and a React Native mobile application.



okki-status

A Wayland status bar for the Sway Window Manager written in Go.