

# Adam Luzsi | CV | the course of my life

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Hello! I'm Adam Luzsi, an IT professional with a keen interest in sustainable software development. My skills encompass several programming languages, notably Go, Ruby, JavaScript, and C#. I've applied these competencies across various industries such as finance, marketing, second-hand marketplace, health-care, and insurance, bringing effective software solutions to complex problems. An essential part of my career is being a dedicated open-source contributor and a lifelong learner. Please check out my GitHub profile for more about my work and contributions.

This summary should give you a good overview of my experience and capabilities, and the rest of the document provides more detailed information if you're interested.

## My current open-source software projects:

- frameless | anti-framework for system flexibility and maintainability
- rack-app | a minimalist ruby web framework
- testcase | test-driven designing a toolkit for Go to support classicist TDD testing
- toggler | a self-hosted feature flag and a release management service.

## Reference links:

- Github profile
- RubyGems profile
- My last public presentation from UK GopherConf about the misunderstood HR tool: Microservices Architecture

## Employment Timeline

Year Range	Position	Company
2009 - 2011	Software Development Intern	CFB Kft
2011 - present	Open-Source Contributor	GitHub Link
2011 - 2014	Software Engineer	People Process Technologies
2014 - 2016	Software Engineer	VeryCreatives Consultant
2014 - 2018	Software Engineer	Emarsys-Technologies Kft.
2018 - 2019	Senior Software Engineer	Cembra Money Bank
2019 - 2022	Senior Software Engineer	Tutti / Tamedia / Swiss Marketplace Group
2022 - 2023	Senior Software Engineer	Teya / SaltPay

## Expertise

In software development, I've had the privilege of working with a wide range of **programming languages**, such as **Ruby**, **Golang**, **C**, **Java**, **C#**, **JavaScript**, and **PHP**. These experiences have allowed me to navigate diverse environments, from **backend** to **client-side**, **web development**, and **microservices**, utilising various **frameworks**.

When designing software, I meet human needs and strive for simplicity amidst complexity. I am well-versed in applying **principles** like the **12-factor methodology**, **SOLID principles**, **Hexagonal architecture**, and **Clean Architecture** to empower developers and enhance maintainability while considering human cognitive constraints.

**Automated testing** is a must for me. I firmly believe in practices like **Test-Driven Development (TDD)**. When I lacked the required tooling to achieve high-quality, modular, and easily maintainable automated tests, I invented it myself. Whether working on professional projects or pursuing my ones, I always apply this level of thorough testing.

Being part of the **open-source community**, I cherish the idea of mutual learning and collaboration. It's an environment where I learn, contribute, and actively support others, especially in testing, by sharing my knowledge and experiences.

In terms of **data management**, I have successfully handled an array of **databases**, including **PostgreSQL**, **MySQL**, **BoltDB**, **Redshift**, **GreenPlum**, **Google BigQuery**, **Redis**, and **Kafka**, and I have expertise in designing efficient **ETL data pipelines**.

My experience extends to **API design**, where I have worked with different stacks like **RESTful**, **GraphQL**, **gRPC**, and **WSDL + XML APIs**.

As part of my ongoing learning journey, I have actively **mentored** and guided junior and mid-level engineers, particularly within the open-source community. Sharing knowledge and supporting others has been a rewarding aspect of my career.

**DevOps** has been a crucial part of my professional journey, involving implementing, managing, and scaling applications. Through this experience, I have recognised the value of cross-functional workflows between teams. I have utilised tools such as **OpsGenie**, **PagerDuty**, and **Pingdom** for on-call duties to ensure prompt response and resolution.

My understanding of **agile methodologies** has been enriched by active involvement in practices such as **Scrum**, **XP**, and **Agile Development**. Embracing these methodologies has enabled me to deliver high-quality software solutions collaboratively.

**Security** is an aspect of IT that I deeply respect, and I have proactively sought

to enhance my application designs through a foundational understanding of **ethical hacking**. My knowledge in this area stems from online courses and mentorship from a **Security Expert** when I worked at **Emarsys Technologies**.

### Domain knowledge

I have also had the opportunity to showcase my leadership capabilities by leading a small team for several projects, further honing my organisational and communication skills.

My professional journey has led me to work in diverse industries:

- In the financial sector, I gained valuable insights into payment systems, acquiring hosts, and financial regulations during my tenure at Teya (Salt-Pay).
- I leveraged technology to streamline tasks and automate marketing workflows within the marketing industry, providing customers with valuable insights into their revenue streams while working at Emarsys.
- Additionally, I delved into data warehousing and ETL processes as a member of their Historical Data Service team.
- During my time at People Process Technology, I had the valuable opportunity to acquire knowledge and skills in working with workflow engines and addressing technical requirements associated with healthcare data.
- At Tutti.ch, I contributed to enhancing a thriving second-hand marketplace, optimising user experience and streamlining transactions.
- At CFB Kft, I learned about the complex policy systems of the insurance sector and participated in the design of compliant insurance software solutions.

I am grateful for the diverse and comprehensive knowledge I have gained throughout my career. I am enthusiastic about utilising this experience to create effective software solutions across various industries.

### Education & Professional Development

- Web Software Developer (OKJ nmb 54 481 02): Completed an intensive course on developing web-based software solutions—acquired skills in various programming languages, web development frameworks, and database management systems.
- Client-Sided Software Developer (OKJ nmb 54-481-02): Gained in-depth client-side programming knowledge.
- Apprenticeship & Mentorship: Participated in an apprenticeship program followed by a mentorship, further solidifying my software development skills. Gained practical, hands-on experience and received personalised guidance from experienced professionals in the field.

## Language Proficiency

- English: Proficient in English, both written and spoken. Regularly utilise English professionally, demonstrating effective communication in cross-cultural teams and with international clients.
- Hungarian: Fluent in Hungarian - Native speaker.

## Portfolio

This list contains a few projects from my experience:

Company	Project	Participation
Open-Source Software	testcase	To ensure maintainability
Open-Source Software	frameless	I have conducted extensive
Open-Source Software	Toggler	I'm working on a feature
Open-Source Software	rack-app	I developed a minimalistic
Emarsys	Historical Data Service	In a collaborative trio tea
People Process Technology	Foton Engine	As the Lead developer, I c
People Process Technology	Leptop Engine	As a Lead Developer, I sp
Emarsys	Escher Auth	I maintained Ruby and G
Cembra Money Bank	ZEK integration	Service owner of the ZEK
Tutti / Tamedia	Extending Payment system in the Blocket Platform	I analyzed and reverse-eng
Tutti / Tamedia	TX Advertisement Integrations	My role was to fix the leg