

# KASPARS JAUDZEMS

SOFTWARE ENGINEER & CREATIVE TECHNOLOGIST

Riga, Latvia · EU · Remote / Hybrid

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## PROFILE

Senior Software Engineer and Creative Technologist with 20+ years of experience building complex software systems, realtime engines, and interactive platforms. Experienced across product engineering, startup MVP-to-production scaling, and creative technology tool development.

Proven track record delivering web and platform products, modernizing workflows, and collaborating in long-running UK/EU remote-hybrid teams. Combines full-stack engineering depth with realtime graphics, sensor-driven systems, and interactive media expertise.

## SKILLS

### ARCHITECTURE & SYSTEMS

System design · API architecture · Realtime systems · IOT · Distributed workflows · Multi-processing & performance optimization · Multi-currency payments & tax

### CORE LANGUAGES

TypeScript · JavaScript · PHP · Python · Java · C++ · Firmwares (esp32) · Rust · PostgreSQL / TimescaleDB · MySQL · REST · HTML/CSS

### CREATIVE / REALTIME SYSTEMS

openFrameworks · Processing · OpenGL / GLSL / Shaders · SuperCollider / TidalCycles · WebAudio API · WebSockets · Open Sound Control · Three.js · DMX

## EMPLOYMENT

### LECTURER (New Media Art) - RTU Liepaja

2024 - present · Generative Sound and Interactive Installation · Part-time

Teach interactive installation and sound art in the New Media Art BA program, covering digital aesthetics, generative composition, signal flow, and live coding.

### SENIOR SOFTWARE DEVELOPER - Yearbook Machine

2023 - 2026 · Riga and London · Contract

- Designed and delivered core platform features supporting international expansion
- Refactored legacy application flows to improve maintainability and UX consistency
- Collaborated across product and distributed UK/EU engineering teams in a long-running production system

### SENIOR SOFTWARE DEVELOPER - Open eLMS

2019 - 2023 · Riga and London · Contract

- Contributed to architecture and feature delivery across four core products and a shared API platform
- Delivered enterprise and education-facing features using Haxe, React, and MUI
- Worked across frontend and backend layers in long-lived production systems

## DIGITAL ARTIST

2019 - present · Riga, Liepaja, Karlsruhe · Self-employed

Build code-based audiovisual works, interactive installations, and generative systems for festivals, exhibitions, concerts, and new media performances.

## SOFTWARE DEVELOPMENT CONTRACTOR

2010 - 2019 · London and Riga · Multi disciplinary full stack development services, contracting

Delivered MVP-to-production systems for startups, mobile apps, museum touchscreen installations, promo sites, and internal backend tools across UK and Latvia clients.

Clients include Open eLMS, Yearbook Machine, Vipassana wzv, OSI, Analytek, Sooqini, Swerve Mobile, Unruly Media.

## WEB DEVELOPER

2007 - 2010 · Riga and Madrid · Full stack web developer

FF IT (First Intelligence), Video Publishing on Demand, IBS Solutions

Built experimental mobile/device web prototypes for a video platform product.

Developed systems, frameworks, and databases; built in-house technical foundations and delivered client work for Lattelecom, Aldaris, and AD Astra.

## CTO / CO-FOUNDER - Brilliant Art

2004 - 2007 · Riga · Full-time

Co-founded a web design and development company and led product delivery and technical direction.

## EDUCATION

MA Music informatics

Karlsruhe University of Music

2021 - 2025

Research focus: ML enhanced body motion based composition & sound design

BA New Media Art

University of Liepaja

2018 - 2021

BA thesis: "Cells of a gigantic cybernetic organism", researching cybernetics of 21st century,

AS Computer Programming

University of Latvia

2002 - 2004

## LANGUAGES

Latvian · Native

English · Professional working proficiency

German · Professional working proficiency

Russian · Limited working proficiency

## RECOMMENDATIONS

Dan Barker, Founder & CEO, Yearbook Machine

<https://www.linkedin.com/in/dan-barker-099a2512/>

Emil Reisser-Weston, Founder & Managing Director, Open eLMS

<https://www.linkedin.com/in/emilrw/>