

John Tully

I build B2B SaaS for industries that still run on paper.

Software engineer and co-founder based in Riga, Latvia. Leading engineering at Bond4, a waste management platform for haulers and operators, and building Buvio, an AI compliance tool for construction.

ABOUT

I've worked across the stack, from low-level systems and infrastructure to production SaaS platforms. My work sits in industries that software largely skipped: waste logistics and construction compliance, where the incumbent process is still a clipboard and a filing cabinet.

Experience

Co-Founder & Lead Software EngineerSep 2025 — Present

Bond4

- Co-founded the company and lead all engineering: architecture, implementation, and release of the core platform.
- Build full-stack features for a waste management SaaS used by haulers and operators.

Systems EngineerDec 2024 — Present

SIA Maksina (MaxOrdnance)

- Provision and maintain server infrastructure supporting internal engineering systems.
- Designed and configured site-to-site VPN access for distributed internal services.

Junior Software DeveloperJul 2023 — Mar 2024

MikroTik

- Built proprietary internal automation tooling adopted by the engineering team at one of the world's leading network hardware manufacturers.

Education

B.S. Computer Science

Riga Technical University, Riga, Latvia

Coursework: Algorithms, AI, Linear Algebra, Probability, Databases, Systems Programming, Programming Languages, Software Engineering.

Thesis: IoT system for predicting single-phase induction motor failure using sensor data and machine learning.

Skills

● Production experience ○ Working knowledge

- LANGUAGES

● TypeScript ● Python ○ C ○ C++ ○ Rust
- WEB & API

● Next.js ● React ● tRPC ○ React Native
- DATA

● PostgreSQL ○ Machine Learning ○ Signal Processing
- INFRASTRUCTURE

● Linux ● Docker ● Git ● GitLab ○ Networking & VPN

PROJECTS

Buvio buvio.ai ↗

2026 — Present

An AI-powered platform for construction compliance and regulatory documentation in the Baltics. Automates the compliance layer: reading regulations, flagging violations, generating documentation. Built for an industry still largely running on paper.

TAKEAWAY Reliability, not capability, is the hard part of shipping LLM features into a regulated workflow: the model has to be wrong in ways a reviewer can catch.

TypeScript · Next.js · React Native · tRPC · PostgreSQL · Claude API · OpenAI · Docker

IoT Motor Failure Prediction

2024

Designed an IoT solution using sensor data to predict failure in single-phase induction motors. Signal processing and machine learning applied to an industrial problem. Bachelor's thesis project.

IoT · Signal Processing · Machine Learning

SS.lv Car Price Predictor

2022

Scraped Latvia's largest classifieds site for car listings and built an ML regression model to predict vehicle value from listing parameters. Covered the full pipeline from data collection to model training.

Python · Machine Learning · Web Scraping

PPAP Chrome Extension

2014

Built a browser extension that played the PPAP video on every webpage.

OUTCOME Reached 15,000+ downloads with no promotion.

TAKEAWAY First lesson in how software distributes itself: timing and shareability beat engineering effort.

JavaScript · Chrome Extensions

CONTACT

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