

Matej Vrzala

Product-focused software engineer with 9+ years of experience building data-intensive applications, developer tools, and user-facing products. Strong background in data visualization, full-stack development, and research-driven environments. Proven ability to improve performance, design systems, and support complex analytical workflows.

Bratislava, Slovakia.

[+421 944 260 809](tel:+421944260809)

[LinkedIn: Matej Vrzala](#)

vrzala.matej@gmail.com

Professional Experience

Hash AI, USA - Remote - Short-Term Contract

2026

- Developed a prototype for spec-driven development as part of ARIA Safeguarded AI program
- Worked with React, Express, DoltDB, Claude Agentic SDK, OpenCode SDK

Epoch AI, USA - Remote - Staff Developer & Contract

2025

- Built a reusable data visualization framework on top of D3
- Developed a UI component system using Web Components to standardize website design.
- Technical analysis of projects proposed to leading AI labs
- Collaborated closely with researchers to translate complex data into usable interfaces
- Developed a leading AI [math benchmark](#) and agentic tool.

Metaculus, USA - Remote - Platform Developer

2019 - 2024

- Developed a leading community-driven reputation based forecasting platform used by a growing user base
- Helped to scale the company from 2 to 20+ FTE organization
- Built and maintained full-stack features using Django, React, Angular, D3, and PostgreSQL
- Made architectural decisions influencing scalability and long-term maintainability of the platform
- Developed interactive data visualizations to support probabilistic forecasting and user insights

Nano Energies, Prague - Internal Product Developer

2019

- Developed internal management systems for an energy company as part of a small backend team
- Transitioned into leading frontend development, improving usability and system accessibility
- Delivered end-to-end features bridging backend logic with user-facing interfaces

CyberFox, Prague - Software Developer

2018

- Optimized large-scale database queries, improving search performance by 3–5x (up to 10x in edge cases)
- Designed and implemented integration between WooCommerce and warehouse systems
- Worked with data-heavy systems requiring performance and reliability improvements

Grün, Bratislava - Software Developer

2017

- Refactored legacy codebase and modernized architecture of NGO management software
- Built a full donation payment system, enabling online fundraising for multiple organizations
- Delivered end-to-end product features with direct real-world impact

Additional Projects

- Led development of a custom 3D game engine and lightweight IDE in C++ and OpenGL

- Built experimental products and full-stack applications, including one reaching thousands of users across multiple countries
- Strong interest in developer tools, data systems, and interactive visualization

Additional Experience

- Active member of the Effective Altruism community (organized events, discussions, and retreats)
- Recommended and mentored 10+ individuals who successfully transitioned into new roles
- Winner — Škoda Warehouse Hackathon
- Completed courses from institutions including Oxford and MIT, studied Electrical Engineering
- Graduated Colorado-based relational leadership 2 years program

Software Stack:

Main: Python (Django, FastAPI), TypeScript (React, Next.js, Vue, Angular, D3, Bun, NodeJS), PHP (Symfony, Yii2, Zend), SQL

Additional: C++, Rust, Go, Zig, Lua

Languages

- English — C1
- German — A2
- Spanish — A1
- Slovak - Native
- Czech - Fluent