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## Karolis Ramanauskas, Product Engineer

Full-stack product-focused engineer, working at the intersection of design, product, and engineering. Comfortable owning products end-to-end, leveraging AI-assisted coding tools (Cursor, Claude Code) to ship faster.

### Open-source Contributions

#### **MUD, Core Contributor**

Core contributor to MUD, a framework for building autonomous worlds. Lead developer of Worlds Explorer, a visual tool for exploring and analyzing on-chain data from MUD applications. Also contributed to the standalone wallet solution, the indexer, and overall tooling.

#### **Nexchange Client, Core Contributor**

Main developer behind an open-source React frontend for the [n.exchange](#) cryptocurrency exchange. Authored a companion setup tutorial with 100K+ views on [YouTube](#).

### Hackathons

#### **ETHGlobal Istanbul**

1st place in the CoW Programmatic Framework track, plus integration prizes from WalletConnect and Gnosis Chain. Built a cross-chain payroll system where senders pay in any currency on any chain, and CoW protocol auto-converts so each recipient is paid in their preferred currency.

#### **"Hack4Vilnius" 1st place**

1st place at a civic hackathon focused on improving my hometown, Vilnius. Built [idejavilniui.lt](#), a citizen engagement platform for suggesting and voting on new ideas to improve the city.

## Work Experience

2024 - March 2026

### **Lattice, Software Engineer**

- Core contributor to MUD, a Solidity framework for building real-time, on-chain applications for EVM-based blockchains.
- Owned the frontend architecture and development of World Explorer, a data-heavy Next.js application used to explore and inspect MUD-based applications.
- Worked on the 3D web client for DUST, a Minecraft-like browser game, using Three.js.
- Developed a frontend SDK enabling third-party developers to integrate custom applications directly into the DUST client.
- Implemented all default in-game applications e.g. market trading, construction blueprints, and more.

2023 - 2023

### **OxMacro, Smart Contracts Auditing Apprenticeship**

- Participated in security audits for production systems used by companies such as ThirdWeb, Synthetix, and PoolTogether.
- Learned testing methodologies including unit testing, fuzz testing, and formal verification.

2020 - 2022

### **Volvo Cars, Software Engineer & Tech Lead**

- Developed and optimized web components for Volvo Cars design system. Maintained Storybook for managing the components.
- Led development of a custom CMS and internationalization platform using React, GraphQL, CSS-in-JS, and a Nest.js backend.
- Introduced best practices for team collaboration and sped up shipping velocity by transitioning the team to trunk-based development.

2018 - 2020

### **Uber, Software Engineer**

- Worked on observability tools for incident discovery and mitigation. Implemented frontends using React, GraphQL, D3.js, CSS-in-JS, Jest.
- Improved tool reliability and adoption by integrating Sentry for error tracking, and Google Analytics with custom events for usage insights.

2017 - 2018

### **Toptal, Software Developer**

- Delivered full-stack client projects using the MERN stack.
- Worked with clients to clarify and translate requirements into final products.

## Other Experiences

## Seminar on AI Agents

Created and delivered a seminar covering how AI agents work, what they're useful for, and how to apply them effectively.

2016 - March 2026

## VilniusPy Meetup

Co-organizer of VilniusPy, a Python community meetup with 1,700+ members. Ran monthly events and coordinated speakers.

## Education

2013 - 2016

## Lancaster University, BSc Computer Science (1st class honors)

Jan 2023 - Feb 2023

## OxMacro, Smart Contract Security Fellowship, Web3 Security (honours tier)

## Skills / Tools

JavaScript / TypeScript

React.js / Next.js

TailwindCSS

Figma

Three.js

Solidity / EVM

Docker

Claude Code

Cursor