

Vlad Cuciureanu

Generalist engineer with 10+ years shipping web products, manufacturing systems, and developer tools

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Relevant Experience

Founding Full-Stack Engineer · **Stealth-mode startup** Jun 2024 – Dec 2025

- Architected and developed a suite of manufacturing software aimed at driving the fourth industrial revolution into reality
- Developed a local-first manufacturing execution system (MES) specialized in optimizing and scheduling fleets of autonomous factory workers
- Implemented a decentralized enterprise resource planner (ERP) that coordinates a network of fully automated lights-out factories
- Built a customer sales platform designed to channel business opportunities directly into the ecosystem while providing accelerated feedback to potential customers

Full-Stack Engineer · **Vocode (YC W23)** Jan 2024 – Jun 2024

- Developed a user-facing dashboard with Next.js and Apollo, enabling non-technical users to seamlessly interact with core product
- Implemented a GraphQL API layer with Strawberry and Pydantic to streamline and enhance engineer productivity
- Transitioned core API from Supabase to plain PostgreSQL, ensuring easier deployment and scalability for infrastructure
- Developed the company's website using Next.js, ensuring a fast, responsive, and dynamic user experience

Full-Stack Engineer · **Unicef** Dec 2022 – Jan 2024

- Developed a responsive Figma-like web app with React, improving UI/UX and digitizing internal processes
- Designed scalable microservices architecture, ensuring flexibility and resilience
- Built RESTful APIs in Node.js and Express.js, implemented async messaging with Kafka and RabbitMQ
- Integrated JWT-based authentication and RBAC mechanisms to secure user interactions across microservices
- Leveraged Docker and CI/CD pipelines for automated testing, building, and deploying microservices

Full-Stack Engineer · **Blum** Nov 2021 – Dec 2022

- Enhanced system stability by optimizing Linux kernel modules, reducing system crashes by 30%
- Streamlined adapter development for new catalog items, cutting integration time by 60%
- Improved boot speed by refining startup scripts, reducing boot time by 50%

Full-Stack Engineer · **Porsche Engineering** Dec 2020 – Nov 2021

- Developed and optimized the price calculation SOAP API for Volkswagen, Porsche, and Audi car configurators
- Integrated new products into the price calculation API, ensuring accurate and up-to-date pricing across all configurators
- Expanded upon the existing DROOLS codebase to give non-technical analysts access to more functions

Full-Stack Engineer · **Vodafone** Aug 2020 – Oct 2020

- Developed a front-end MVP using Angular and RXJS for monitoring real-time data streams from factory sensors
- Optimized a critical microservice by refactoring code, improving efficiency and scalability

Skills

Front-End

React, Next.js, Vue, Angular, TailwindCSS, Vanilla CSS, SASS, Apollo, RXJS

Back-End

Node.js, Express, Nest.js, FastAPI, PostgreSQL, Redis, Prisma, REST, GraphQL

Infrastructure

Azure, Docker, Linux, Git, Jenkins, GitLab CI, Kafka, RabbitMQ, Supabase

Programming Languages

TypeScript, JavaScript, Python, C#, Java, SQL

References

Kian Hooshmand CEO @ Vocode

"Vlad is not only an incredible engineer but also a huge team player. He's got a great attention to detail and is always studying the latest and greatest in web development."

Ajay Raj CTO @ Vocode

"Vlad is an exceptional full-stack developer. What really stood out was his ability to operate with low context and his commitment to building things in the right way."

Stephen Handley Developer @ Authorium

"Vlad is an ideal collaborator for product engineering teams. He is a diligent and creative engineer with an innate sense for usability and product design."

Filip Marusca Product Owner @ Urbio

"Vlad is more than just an experienced full-stack developer; he possesses a deep understanding of both the product and business logic, which allows him to maximize their potential."

Education

Babes-Bolyai University

B.S. in Computer Science
Cluj-Napoca, Romania
Sep 2019 – Jun 2022

Personal Projects

Toothpick · Raycast Extension 2022 – Present

Bluetooth extension for Raycast. Provides shortcuts for quick Bluetooth management. 42.5k+ installs.

Wren · CLI Tool 2025 – Present

CLI that polls GitHub CI status and plays ambient soundscapes through FFmpeg, mapping build states to layered audio.

Cora · Apple Watch Service 2025 – Present

Service that receives heart rate data from an Apple Watch and commits each reading to a GitHub repo, turning your contribution graph into a live heartbeat record.

Reverie · GitHub Action 2025 – Present

GitHub Action gate that polls a sleep tracker and blocks production deploys while the on-call engineer is asleep.

Maud · GitHub Action 2025 – Present

GitHub Action that prints a sigh to the workflow log and exits successfully. Does nothing else.

Eugene · CLI Tool 2025 – Present

CLI wrapper that intercepts failed commands and walks the user through an interactive five-stage grief dialogue before allowing a retry.

Nigel · CLI Tool 2025 – Present

CLI that wraps file deletion in a mock bureaucratic review process with randomized approval, audit logs, and an appeal mechanism.

Open Source Contributions

Astro · Web Framework 2022

Contributed tooling improvements to the content-driven web framework. Node.js build pipeline work.

JSONCrack · Data Visualization 2022

Added features to the tool that turns JSON, YAML, and CSV into interactive node graphs. React and Node.

AFFiNE · Productivity Suite 2022

Contributed to the open-source Notion and Miro alternative. React frontend improvements.

Seismic Risc · Civic Tech 2021

Built features for a platform tracking earthquake-vulnerable buildings in Romania. React frontend, Django backend.

Monitorizare Vot · Civic Tech 2020

Contributed to an election monitoring app used to report irregularities at polling stations. React and .NET Core.

Philosophy

Pragmatist and generalist. Prefers deleting code over writing it. Will cut a library if ten lines of vanilla code do the job. Believes shipping beats perfecting.

Currently Exploring

Local-first software and CRDTs, WebGPU for compute-heavy browser apps, audio synthesis with Web Audio and MIDI, digital gardens as a thinking tool

Spoken Languages

English, Romanian