Vlad **Cuciureanu**

FULL-STACK DEVELOPER · EU CITIZEN

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Summary

Full-Stack Developer with over 5 years of experience in web development. An enthusiast with a deep passion for all things tech. Former Linux devotee, now avid Apple enjoyer. Generalist, continuously learning new technologies and tools to effectively address challenging tasks and enhance problem-solving capabilities. Proficient in delivering robust and scalable solutions across the full technology stack.

Work Experience

SAEKI
FOUNDING FULL-STACK ENGINEER
Remote
Nov. 2024 - Present

- 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 our ecosystem while providing accelerated feedback to potential customers.

Vocode (YC W23)
FULL-STACK ENGINEER
Remote
Jan. 2024 - Jun. 2024

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

Unicef
FULL-STACK ENGINEER
Remote
Dec. 2022 - Jan. 2024

- Developed a responsive Figma-like web app with React, improving UI/UX and digitizing internal processes.
- Designed scalable microservices for a web app, ensuring flexibility and resilience.
- Built RESTful APIs in Node.js and Express.js for microservice communication.
- Implemented async messaging (e.g., Kafka, RabbitMQ) for responsive, decoupled microservice communication.
- Integrated JWT-based authentication and authorization (RBAC) mechanisms to secure user interactions across microservices.
- Leveraged Docker for efficient containerization and deployment.
- Used CI/CD pipelines (e.g., Jenkins, GitLab CI) for automated testing, building, and deploying microservices, ensuring continuous integration.
- Conducted load testing and tuned performance to optimize responsiveness and scalability under diverse workloads.

Blum
FULL-STACK ENGINEER
Remote
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%.

Porsche
FULL-STACK ENGINEER
Remote
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 in order to give non-technical analysts access to more functions.

Cloudflight
FULL-STACK ENGINEER
Cluj-Napoca, Romania
Oct. 2020 - Dec. 2020

- Developed real-time notifications with WebSockets, boosting task update visibility and enabling multiplayer capacities.
- Implemented offline functionality in the PWA, ensuring uninterrupted access.
- Integrated advanced search features, improving task retrieval speed.

Vodafone
FULL-STACK ENGINEER
Remote
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 while reducing maintenance overhead.

Skills

Attributes	Generalist, Adaptable, Passionate, Team-player, Eager to learn
Front-end	React, Next.js, Vue, Angular, TailwindCSS, Vanilla CSS, SASS
Back-end	Express, FastAPI, Nest.js, Postgres, Redis, Prisma, REST, GraphQL
Utilities	Azure, Docker, Linux, Git
Languages	English, Romanian

Open Source Projects

CONTRIBUTOR

2022	**Astro**, Astro is the web framework for building content-driven websites.	*Node*
2022	**JSONCrack**, Visualization OSS that transforms various data formats into interactive graphs.	*React, Node*
2022	**AFFiNE**, Open-source alternative to Notion & Miro.	*React, Node*
2021	**Seismic Risc**, Platform designed for tracking buildings at risk of collapsing in the event of an earthquake.	*React, Django*
2020	**Monitorizare Vot**, App built for monitoring polling stations and for reporting noticeable irregularities.	*React, .Net Core*

PERSONAL

2022+	**Toothpick**, Featured Bluetooth extension for Raycast. (22.0k+ Users)	*React, Node*
2022+	**Portfolio**, My personal website, digital garden and portfolio.	*Next.js, Node*
2021+	**Lyra**, Self-hosted hi-fi music streaming service.	*React, Node*
2021	**Hymn**, Open-source, non-profit, free-access music tabs repository.	*React, Node*
2020+	**Garlic Bread**, Discord bot (at first) developed as amoderation utility for my personal Discord channel.	*Node, PSQL*
2020	**CheckIt**, Minimalist checklist app created for quickly writing down action points.	*Next.js*

Recommendations

Kian Hooshmand

CEO @ VOCODE

Vlad is not only an incredible engineer but also a huge team player. We worked together to ship a mission critical dashboard (fullstack) and Vlad played a huge part in bringing it to life. He's got a great attention to detail and is always studying the latest and greatest in web development. Highly recommend working with Vlad if you ever get the opportunity.

Ajay Raj

CTO @ VOCODE

Vlad is an exceptional full-stack developer. What really stood out to me working with him was his ability to operate with low context and his commitment to building things in the right way - it made it painless to work with him in a timezone where we were only able to overlap for a few hours a day. I highly recommend him for future opportunities.

Stephen Handley

FULL STACK 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, and his sense of humor and calm demeanor make him a joy to work with.

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. My most recent collaboration with Vlad concluded merely a month ago, and the entire process unfolded seamlessly. The completion of the project was bittersweet for me, as finding reliable and seasoned developers who go above and beyond to comprehend your product and meticulously attend to every detail is a daunting task. I wholeheartedly endorse Vlad and eagerly anticipate our future collaborations. His commitment and expertise are truly unparalleled.

Education

Babes-Bolyai University   *Cluj-Napoca, Romania*

B.S. IN COMPUTER SCIENCE   *Sep. 2019 - Jun. 2022*

• Algorithms, data structures, operating systems, networking, databases & neural networks.