

# Iosif Vigh

## Senior Software Engineer

London, UK

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I am a Senior Software Engineer with extensive experience in developing end-to-end projects using Node.js and Laravel. I prioritise writing clean, maintainable code to ensure ease of maintenance and quick onboarding for junior developers. With a natural curiosity and a commitment to continuous learning, I am always exploring new technologies and methodologies to enhance my skills and contribute effectively to my team and stakeholders. I'm currently working on an open-source personal learning project using T3Stack with NextJS, tRPC, Drizzle ORM and Clerk while deploying to Vercel with Github Actions.

### SKILLS

#### Languages

Node.js   Javascript  
Typescript   PHP   Solidity  
bash

#### Frameworks

Laravel   Express   Serverless  
Hardhat

#### Databases

MySQL   PostgreSQL  
MongoDB   Redis  
Eloquent ORM   Drizzle ORM  
Prisma ORM

#### Dev-Ops

AWS   Terraform   CI/CD  
Github Actions   Vercel  
Docker

### WORK EXPERIENCE (7)

Aug 2018 - Current

**Contractor Software Engineer** at Casa4 - own LTD (London, UK)

Provided contractor services through my own LTD, Casa4, in between other roles. The following is a list of the most notable projects, specializing in Laravel and Node.js. Involved both in team-based development and solo application building from design to deployment and maintenance.

- Artetra (NodeJS, React, ThreeJS, Solidity, Hardhat, Express, Postgres, MongoDB, AWS, Docker)  
As an acting CTO, I was responsible with converting business requirements into project features by overseeing the application architecture. I managed a team of 3-4 developers and provided them with necessary assistance.
- ElectroRent (Laravel, MySQL)  
Developed and maintained Laravel code to fix bugs and add new features for a tool-renting platform.
- Aliat Optic (NodeJS, Serverless Framework, Lambda, DynamoDB, AWS, MySQL, Laravel, DigitalOcean)  
Designed and developed an invoicing app, integrating external FTP data via AWS Lambda and DynamoDB. This application was successfully used in production for about 3 years with minimal maintenance, demonstrating reliability and efficiency.
- Hurlingham Club (Laravel, Laravel Forge, Laravel Envoyer, MySQL, AWS, Docker)

Led the migration of systems to internal servers, resolving various DevOps issues.

- TicketTailor (PHP, MySQL, sqlite)

Improved the API of a large ticketing application by fixing bugs and adding new features.

Oct 2020 - Aug 2022

**Software Engineer** at True Compliance (London, UK)

Contributed to the development of a cloud-based compliance management system, enhancing compliance tracking and reporting capabilities.

- Developed the main API of the system and contributed to designing the ecosystem's serverless architecture, leading to a robust and scalable solution.
- Created a reporting application that enabled non-technical stakeholders to preview any key metrics.
- Also built a bespoke real-time caching system that stores processed relational data in a NoSQL database. The purpose of this was to vastly increase the speed of the system and reduce the load on the database.
- ↪ Technologies: Laravel, Laravel Vapor, AWS, VueJS, Node.js, Serverless Framework, CLI, Bash

Oct 2018 - Oct 2019

**Software Engineer** at Skin Analytics (London, UK)

Designed and developed main applications and maintained AWS infrastructure, contributing to the company's mission of improving skin health.

- Led the migration from a NoSQL database to a relational database, resulting in an 11x speed increase without affecting the frontend or user experience.
- ↪ Technologies: Node.js, Express.js, TypeScript, AWS, Loopback, pm2, Angular

Feb 2017 - Jun 2018

**Application Developer / Dev-Ops** at Wooba (London, UK)

Sole Backend Engineer responsible for designing, developing, and supporting client applications, driving business growth.

- Developed and maintained nationwide educational platforms, enhancing the learning experience for thousands of users.
- Built a comprehensive financial management application with Laravel and Vue.
- Managed all DigitalOcean droplets with a CI setup ensuring reliable and efficient deployment processes.
- ↪ Technologies: Laravel, DigitalOcean, Laravel Forge, MySQL, VueJS

Nov 2015 - Nov 2016

**PHP Application Developer** at iQU Group (Amsterdam, NL)

Marketing solutions for game developers.

- Created complete APIs from start to end as well as libraries which were used by my colleagues.
- Another smaller project was built with Java and PipelineDB.
- ↪ Technologies: PHP, Laravel, Symfony, API, MySQL, Git, Docker, CLI, PHPUnit, AngularJS, Java

Oct 2014 - Nov 2015

**PHP Application Developer** at Project 89109 (Amsterdam, NL)

Online dating services.

- ↪ Technologies: PHP, API, MySQL, CLI, Git, JS, jQuery.

Nov 2017 - Current

## Hardware Engineer / Dev-Ops at Hidden Hash (Cluj-Napoca, RO)

Family business dealing with mining crypto-currencies.

- Worked on Business model, Legal compliance, setup, Software & security optimization/tweaks/updates, Performance fine tuning.
- Built an open-source watchdog mechanism: [github.com/iosifv/amd-vega-startup-scripts](https://github.com/iosifv/amd-vega-startup-scripts)

## PROJECTS (3)

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### Recspenses

🔗 <https://www.github.com/iosifv/recspenses/>

- A production-ready financial web application to calculate recurring monthly expenses. Initially started as a training project to practice my full-stack skills.

Features include: a simple UI, multi-currency support including cryptocurrencies and an intuitive tagging system for expense labeling.

I used the "T3 Stack" which is a web development stack made focused on simplicity, modularity, and full-stack typesafety. For this project I used the following: NextJS, tRPC, TypeScript, NodeJS, Clerk, Drizzle ORM, PostgreSQL, Tailwind CSS, Vercel, GHA)

### CLI Path

🔗 <https://iosifv.github.io/cli-path/>

- Created a CLI tool to check Google Maps directions, with saved locations, authentication, and a custom serverless API layer to simplify token management — built for training, touching multiple technologies (NodeJs, Serverless Framework, AWS, Auth0, OpenAPI, VHS, npm, GHA)

### Casa4 website

🔗 <https://casa4.co.uk/>

- An overengineered personal website built for learning purposes (Hugo, Terraform, Cloudfront, AWS, GHA)

## EDUCATION (2)

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2012 - 2010

**Masters Management and Business Engineering** at Technical University of Cluj-Napoca

Operations Management   Business Analytics   Marketing Fundamentals   Human Resource Management

Operations Management

2004 - 2009

**Bachelor of Engineering Computer Science** at Technical University of Cluj-Napoca

Object-oriented programming   Data Structures and Algorithms   Advanced Databases   Computer Networks   C++

Java   .NET   SQL   Lisp   Prolog   Xilinx   Assembly   x86 processor   Electronics   Physics   Mathematics

## INTERESTS

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### Hobbies

Motorcycles   Photography

Chess   HiFi Audio   Boxing