

# Iosif Vigh

## Senior Software Engineer

London, (UK)

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### SUMMARY

Senior Software Engineer with **10+ years** of experience architecting systems using **Node.js** and **Laravel**, specialising in backend development, cloud infrastructure and DevOps automation. Proven track record in various engineering roles for clients across industries like fintech, healthtech, and regulatory compliance. I turn complex requirements into **maintainable, high-performance systems** through clean architecture, automated testing, resilient deployments, and mentoring. A core focus is ensuring technical outcomes directly align with business needs. I am passionate about understanding user needs and translating them into successful products. Portfolio projects showcase continuous learning and innovation. Seeking **fast-paced environments** leveraging modern stacks and agile practices to solve high-impact problems; whether collaborating within teams or driving solo initiatives.

### TECHNICAL SKILLS

#### Languages

Javascript   Typescript   PHP  
Solidity   bash

#### Backend

Node.js   Laravel   Express  
Serverless   Hardhat

#### Frontend

React   Vue   Angular   Tailwind

#### Cloud & DevOps

AWS   GCP   Vercel   Docker  
CI/CD   GHA   Terraform

#### Databases

MySQL   PostgreSQL   Aurora  
MongoDB   DynamoDB   Redis

#### Testing

PHPUnit   TDD   BDD   Unit Testing  
Integration Testing

#### Architecture & Design

System Design   SOLID  
Microservices   Serverless  
Event-driven   Monolith   MVC

#### Practices

REST   OpenAPI   Oauth   JWT  
OWASP   Agile   Scrum   Kanban  
Lean   Clean Code

#### Product & Strategy

Roadmap Planning  
User-Centric Design  
Stakeholder Management

### PROFESSIONAL WORK EXPERIENCE (6)

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, specialising in Laravel and Node.js. Involved both in team-based development and solo application building from design to deployment and maintenance.

- **ElectroRent** (*Laravel, MySQL, SQLite, Bash*)

As a **Backend Engineer**, I enhanced application performance by optimizing critical API areas and expanded functionality by designing and implementing new endpoints for key business features.

- **Aliat Optic** (*Node.js, Serverless Framework, Lambda, DynamoDB, AWS, MySQL, Laravel, DigitalOcean*)

As a **Solution Architect**, I designed and built a serverless invoicing application that operated reliably in production for over 3 years with minimal maintenance, processing external FTP data via AWS Lambda and DynamoDB.

- **Hurlingham Club** (*Laravel, Laravel Forge, Laravel Envoyer, MySQL, AWS, Docker*)

As a **Backend and DevOps Engineer**, I orchestrated the migration of a major application to the client's own AWS infrastructure, resulting in a 40% reduction in infrastructure costs. This involved a full technology upgrade from PHP 5.5 to 8.1, provisioning new infrastructure, and establishing a modern CI/CD pipeline, ensuring zero data loss. Throughout the project, I created and presented diagrams to stakeholders to communicate the process and progress at each stage.

- **TicketTailor** (*PHP, MySQL, SQLite*)

As a **Backend Engineer** I worked on the API of the second largest ticketing application in Europe. Designed and implemented a testing framework using PHPUnit with automated OpenAPI validation. This improved deployment times by 35% while increasing reliability. Also contributed by adding numerous endpoints to the client-facing API.

Mar 2021 - Sep 2024

**Fractional CTO** at Artetra (remote)

Owned the product roadmap by translating business requirements into actionable project features and oversaw application architecture to ensure alignment with business goals.

- Led the development and launch of the MVP, defining the product vision and strategy, leveraging a team of part-time contractors and very limited resources to deliver a successful product to market.
- Architected and managed backend API, blockchain smart contracts and frontend integrations with 3D components
- Led a team of 3-4 developers, providing technical guidance, prioritizing the product backlog to maximize business value, and supervising deployments to AWS infrastructure using Docker to ensure robust and scalable operations.
- ↪ Technologies: Node.js, React, ThreeJS, Solidity, Hardhat, Express, Postgres, MongoDB, AWS, Docker

Oct 2019 - Sep 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.

- Architected and developed the core API and serverless infrastructure, establishing a robust and scalable foundation for all system operations.
- Built a suite of internal tools, including a Vue.js reporting application for non-technical stakeholders and Laravel Nova dashboards for system monitoring, significantly improving data accessibility and operational oversight.
- Also built a bespoke real-time caching system that stores processed relational MySQL data into a MongoDB database controlled and accessed by a serverless API. The purpose is to vastly increase the speed for final users down to near instant results and reduce the load on the main database.
- ↪ Technologies: Laravel, Laravel Nova, Laravel Vapor, AWS, SQS, VueJS, Node.js, Serverless Framework, Lambda, CLI, Bash

Nov 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.

- Engineered and led the seamless migration from NoSQL (CouchDB) to a relational database (MySQL), achieving an 11x performance increase with zero downtime or impact on the user experience. The process involved creating custom migration scripts, data normalization, and rigorous consistency checks.
- ↪ Technologies: Node.js, Express.js, TypeScript, CouchDB, AWS, Loopback, pm2, Angular

Feb 2017 - Nov 2018

**Application Developer / Dev-Ops** at [Wooba \(London, UK\)](#)

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

- Designed, built, and maintained multiple large-scale applications, including a nationwide educational platform serving thousands of users and a comprehensive financial management tool, using Laravel and Vue.js.
- Established a comprehensive CI/CD pipeline using Laravel Forge for DigitalOcean infrastructure, which significantly accelerated deployment cycles and improved application reliability.
- ↪ Technologies: Laravel, DigitalOcean, Laravel Forge, MySQL, VueJS

Jan 2014 - Feb 2017

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

Marketing solutions for game developers.

- Developed and maintained a variety of marketing applications using vanilla PHP and Symfony, delivering new features and resolving bugs.
- Key contributions included implementing scalable APIs, building reusable libraries to enhance team productivity, and creating an internal client with AngularJS
- ↪ Technologies: PHP, Laravel, Symfony, API, MySQL, Git, Docker, CLI, PHPUnit, AngularJS, Java

## PROJECTS (5)

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### Recspenses

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

A full-stack, production-ready web app for tracking recurring expenses, built to practice modern, full-stack type-safe development. Features include: a simple UI, multi-currency support including cryptocurrencies and an intuitive tagging system for expense labelling.

Built with: *NextJS, tRPC, TypeScript, Node.js, Clerk, Drizzle ORM, PostgreSQL, Tailwind CSS, Vercel, GHA*

### CLI Path

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

A CLI tool for checking Google Maps directions with saved locations and a custom serverless API for token management. Built for training, touching multiple technologies: *Node.js, Serverless Framework, AWS, Auth0, OpenAPI, VHS, npm, GHA*

### Casa4 website

🔗 <https://casa4.co.uk/>

An overengineered personal website built for learning purposes. Themed with *Hugo*, built with *Terraform* and *Cloudfront*, deployed to *AWS S3* with *Github Actions*.

### T3 (Terminal Toolbelt Two)

🔗 <https://www.github.com/iosifv/t3/>

Inspired by the naming of Amazon's S3, I built T3 to resemble a framework for improving a terminal user's experience. Features include: an install script, platform selection (osx, ubuntu) specific scripts as well as agnostic ones, multi-machine installs. The interface is powered by *charmbracelet/gum*, a Terminal UI framework written in Go.

### Hidden Hash (Cluj-Napoca, RO)

Personal business dealing with mining cryptocurrencies. Worked on Business model, legal compliance, hardware setup, software & security optimization/tweaks/updates, Performance fine tuning with various Bash, Batch or PowerShell scripts.

## EDUCATION (2)

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2010 - 2012

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

2004 - 2009

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

Hobbies

- Motorcycles
- Photography
- Chess
- HiFi Audio
- Boxing