

Iosif Vigh

Senior Software Engineer

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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 **Principal Product Owner & Engineer**, 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. Implemented scalable APIs, built reusable libraries to enhance team productivity, and created an internal client with AngularJS
- ↪ Technologies: PHP, Laravel, Symfony, API, MySQL, Git, Docker, CLI, PHPUnit, AngularJS, Java

PROJECTS (5)

Recspenses - <https://www.github.com/iosifv/recspenses/>

A web app for tracking 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 by adding beautiful UI elements. Features include: an install script, platform selection (osx, ubuntu).

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)

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

INTERESTS

Hobbies

Motorcycles Photography Chess HiFi Audio Boxing