# Lucian Ene
Full Stack Engineer

## 👤 Profile

I'm a Software Engineer with over 9 years of experience, consistently enhancing my expertise through continuous learning and hands-on experiences.

I've mastered the best skills to ensure the full development cycle of a product, by following the best Coding Standards and focusing on Architecture, Databases, Performance Optimization, Testing, Version Control and Microservices.

Beyond my professional experience, I am passionate about photography and I maintain an active lifestyle, engaging in various sports (like Running) and regular gym workouts.

## 💼 Employment History

### Full Stack Software Developer at Alpha Geek, Bucharest & Remote
May 2023 — Present

Alpha Geek is a software development company focused on delivering premium development solutions. Specializing in high-performance, scalable, and secure software, we empower businesses with cutting-edge technology tailored to their needs.

**Key points of my contribution:**

- Led the development of scalable and secure RESTful APIs using PHP, Laravel, CakePHP, and Swagger.
- Designed and implemented multiple API endpoints for data retrieval, validation, and processing.
- Developed advanced validation mechanisms to ensure data integrity and seamless operations.
- Authored comprehensive API documentation with Swagger for efficient onboarding and maintenance.
- Integrated external systems for secure authentication and role-based access control.
- Implemented dynamic pagination, error handling, and flexible data queries.
- Followed industry best practices for API security and key management.
- Worked extensively with a variety of AI tools and technologies.
- Implemented and maintained cybersecurity measures.
- Managed and processed large datasets.
- Implemented error monitoring and debugging strategies.
- Maintained and upgraded existing modules in various projects.
- Developed and improved RESTful APIs using Laravel, CakePHP, JavaScript, and Vue.js.

## Details

Bucharest
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## Languages

English

Romanian

Spanish

## Links

lucianene.me
github.com/lucianene
fastcss.org

## Skills

PHP

Laravel

Symfony

Node.js

JavaScript

Vue.js

React.js

Next.js

Typescript

Artificial Inteligence

REST API

Amazon Web Services (AWS)

MySQL

Linux

CI / CD (Jenkins)

- Designed and implemented a train route calculator with algorithms to compute the fastest routes, including train and bus transfers.
- Developed an admin area from scratch using Laravel and Laravel Backpack.

### Senior Software Developer at IsoSkills, Remote (Contract)
May 2022 — April 2023

IsoSkills is a trusted provider of IT software development, testing, and management services for organizations seeking high-quality technical solutions.

During my time at IsoSkills, I collaborated with a Finland-based comic book platform, where I played a key role in modernizing and enhancing their application. My primary focus was on a critical Symfony framework upgrade, ensuring long-term maintainability, security, and performance improvements.

Key points of my contribution:

- Symfony Upgrade: Successfully upgraded the platform from Symfony 3.4 to 5.4, requiring extensive refactoring due to major architectural changes.
- PHP Upgrade: Migrated the application to PHP 8.0, addressing breaking changes and leveraging new language features for improved performance and security.
- Feature Development: Implemented new client-requested features post-upgrade, utilizing modern Symfony capabilities.
- Dependency Updates: Upgraded third-party libraries and Symfony bundles, removing deprecated code and enhancing security.
- Code Optimization: Refactored legacy code for better maintainability and alignment with modern best practices.
- Testing & QA: Conducted extensive testing to ensure a smooth transition without system disruptions.
- This project future-proofed the platform, improving security, performance, and maintainability while enabling new development possibilities.

### Senior Software Engineer at 123FormBuilder, Remote (Contract)
November 2020 — October 2021

123FormBuilder lets you create registration forms, order forms, application forms,
surveys and more, all fully integrated with your digital tools.

At 123FormBuilder I collaborated with the software engineering team to transition the legacy application to a microservice architecture.

Important notes:

- This is a fixed term contract.
- By the end of my contract, we had successfully launched an MVP.

Atlassian (Confluence, Jira etc.)

SOLID Principles

Design Patterns

Nginx

Docker

OOP

Software Testing

Livewire

jQuery

CakePHP

Codeigniter

Wordpress

Version control (git)

HTML

CSS

Agile (Scrum)

Kubernetes

NoSQL

Microservices

Software Architecture

C++

Python

**Hobbies**
I love nature sports, coffee and self improvement.

Key points of my contribution:

- Conducting in-depth research to understand best practices in Microservice architecture.
- Evaluating and benchmarking various SaaS providers to identify the most suitable solutions.
- Working in close partnership with the Software Architect, thereby significantly influencing the trajectory of the project.
- Conduct business analysis to identify specific project requirements.
- Developed and integrated solutions using the Laravel framework and Vue js.
- Utilizing Docker to optimize the development environment's setup and workflow.

### Senior Software Developer at Anais Digital, Remote (Contract)

November 2018 — October 2020

A few of my responsibilities at Anais Digital:

- Work with symfony 3.4, 4 and Vue js

- Perform code reviews

- The client was from Belgium

- Attlasian services (conflience, jira etc.)

- Work with AWS services (RDS, S3)

Key points of my contribution:

- Succesfuly integrated a very complex authentication / authorization system

- Upgrade Symfony Framework from 3.x to 4.x bumping the PHP version in the process

- I contributed to Business Analysis

### Software Developer at eMAG, Bucharest

May 2017 — July 2018

eMAG is an organization which is rapidly expanding in the region, aiming to become the largest online retailer in "New Europe".

A few of my responsibilities at eMAG:

- Demonstrated senior expertise in PHP, OOP, MySQL, Vue js and JavaScript (ES6).

- Spearheaded Continuous Integration (CI) processes using Jenkins.

- Excelled in soft skills, vital for navigating a large organizational environment like eMAG's.

- Managed and enhanced internal projects leveraging the Symfony framework and Vue.js.

- Conducted thorough code reviews for the team, ensuring high-quality outputs.

- Collaborated within a Scrum Agile framework, utilizing Atlassian Jira for streamlined development.

- Documented projects, components, and methodologies using Atlassian Confluence.

- Practiced version control using Git in tandem with Atlassian Bitbucket.

- Emphasized core values such as commitment and teamwork for optimal team performance.

- Professional English level.

Key points of my contribution:

- Successfuly delivered Emag Connect.

- Maintained and developed Emag UI KIT and Emag UI BUNDLE (Symfony).

- Maintained the internal apps Vue js component library.

- Public Speak for my team in an internal conference.

- Enthusiastically participated in team activities, including 10km races, fostering camaraderie and team bonding.

### Lead Software Developer at Brainik, Bucharest

June 2015 — May 2017

Brainik is a small design studio that creates and delivers awesome digital resources to designers all over the world.

A few of my responsibilities at Brainik:

- Maintain our ecommerce platforms using PHP, MySQL, Sass, Javascript, Vue js and other popular technologies.

- Create tools to improve our teammates workflow and reports.

- Collaborate with UI&UX and Graphic designers.

- Laravel framework and WooCommerce knowledge.

- Deliver fast solutions under big pressure.

- Professional English level.

### Software Developer at Kiklab, Bucharest

November 2014 — May 2015

Kiklab provides new standards in web and app development, online marketing and support.

A few of my responsibilities at Kiklab:

- Create web CRM's with Wordpress
- Improve our web services and websites including ecommerce, presentation sites and blogs using popular content management systems.
- Work with PHP, MySQL, JavaScript, CSS, Woocommerce, Prestashop, Magento and other web technologies.

- Professional English level was needed to provide support for our clients.
- Deliver fast solutions under short amount of time involving my team into most of the decisions.

### Foundational Software Developer at REMARK Real Estate Marketing, Bucharest

October 2013 — September 2014

Remark is a company providing marketing solutions in the real estate sector. This was my first professional experience as a developer, where I contributed to building and maintaining client-facing websites.

- Implemented responsive web designs using **plain PHP** or **WordPress** with **Bootstrap**.
- Worked closely with graphic designers to translate visual mockups into functional websites.
- Gained practical experience with **frontend and backend technologies**, including **JavaScript**, **jQuery**, **HTML**, **CSS**, and **Bootstrap**.
- Learned best practices in web development and sharpened my understanding of CMS-based and custom solutions in real-world projects.

## 🎓 Education

### Electronist retele telecomunicatii, Colegiul Tehnic Gh Airinei, Bucharest

June 2008 — June 2012

## ★ Projects

### Healthcare API, Remote

May 2024

As a Freelance Contractor, I led the development of a robust API system for a healthcare integration project. My role involved designing and implementing a scalable RESTful API using Laravel and documenting it with Swagger to ensure usability and maintainability.

**API Development:**

- Built a secure and scalable API supporting multiple endpoints for data retrieval, validation, and processing.
- Designed advanced validation mechanisms to ensure input integrity and seamless operations.
- Integrated with external systems for secure authentication and permissions checks.
- Enhanced Functionality:
- Developed features like dynamic pagination, error handling, and support for flexible data queries.
- Implemented custom rules for data submission and advanced processing logic.
- Documentation & Collaboration:

- Created comprehensive API documentation using Swagger, detailing requests, responses, and errors.
- Simplified onboarding and maintenance by adhering to clear and standardized design practices.
- Security:
- Implemented token-based authentication and role-based access control to safeguard API usage.
- Followed industry best practices for API key management and secure data exchange.
- Integration Design:
- Collaborated on the overall integration design, aligning with project goals and delivering well-structured endpoints.
- Added features for session management, including updates and invalidation of tokens.
- This project highlights my ability to design and deliver secure, efficient, and maintainable APIs while addressing complex business needs effectively.

**Ford Dealership Car Configurator Platform, Bucharest**

Led the development of a custom **wizard-style car configurator and backoffice platform** for a major Romanian Ford dealership. The application enabled dealership operators to efficiently create personalized vehicle configurations and generate comprehensive offer packages, including all required PDF documentation for accounting and client presentation.

- **Team leadership**: Managed a team of 5 developers, coordinating sprint cycles, technical planning, and peer reviews to ensure high-quality delivery on time.
- **API integrations**: Integrated multiple external and proprietary APIs to retrieve accurate vehicle data, pricing, and compatibility logic.
- **Smart configurator UX**: Designed a user-friendly, wizard-style interface that guided operators through complex vehicle customization options.
- **Deployment & infrastructure**: Deployed to AWS with EC2, S3, and CloudWatch; Docker and Docker Compose used for streamlined local development and testing.
- **Massive efficiency boost**: The configurator dramatically **accelerated the offer generation process**, reducing time from hours to minutes and eliminating manual errors.
- **Business impact**:
  Improved internal workflow efficiency and offer accuracy
  Enabled sales reps to respond to leads faster, increasing conversion rates
  Simplified training for new staff thanks to intuitive UI and guided steps
  Ensured data consistency and compliance with dealership pricing rules

**Tech stack**: Laravel (REST API backend), Vue.js (frontend), Docker (local dev), AWS (production environment).

## Multi-Tenant Authentication System – Entrili (Belgium)

Designed and implemented a **multi-tenant authentication module** for Entrili, a Belgian software company, as part of a scalable SaaS platform.

- **Multi-tenant architecture**: Built an advanced authentication system supporting more than **5 independent tenants**, each with custom authentication flows and provider-specific logic (e.g., OAuth, SAML, traditional login).
- **Deep Symfony customization**: Extensively modified and extended Symfony's core security components to support dynamic, tenant-aware authentication strategies without compromising performance or maintainability.
- **Frontend integration**: Integrated authentication flows with a Vue.js-based frontend, ensuring seamless user experience and consistent state management across tenants.
- **Infrastructure & deployment**: Used Docker for containerized local development and deployed to AWS infrastructure for scalability and reliability.

This system provided a **robust, modular foundation** for securely onboarding Entrili's students with unique login requirements, and paved the way for future tenant-specific customizations across the platform.

## Ecommerce Website Casautil

This was a small store written with fastcss css framework and laravel.

- https://casautil.ro - down

## CSS Framework fastcss.org

https://fastcss.org

## MindGeek – Backoffice & Payments Optimization

Contributed to the development and optimization of internal backoffice systems at MindGeek, with a strong focus on **reporting performance** and **real-time payment processing**.

- **Report optimization**: Solved a high-impact performance bottleneck by redesigning a complex background query used in business-critical reporting. Reduced report generation time from **30 minutes to under 5 minutes**, enabling real-time data access and significantly improving operational efficiency.
- **Real-time data processing**: Collaborated with the Payments department to build and maintain tools that handled **real-time payment transaction data**, ensuring accuracy and stability across various internal financial dashboards.
- **Backend development**: Improved backend logic and SQL queries for enhanced system responsiveness and reliability in high-load environments.

This work directly enhanced the ability of business and finance teams to make quicker, data-driven decisions based on live system insights.

**Jobs platform development**

One of the biggest jobs platform in Romania and from my perspective, the best.

**Casino development**

Casino backoffice development.

**Emag UI KIT**

eMAGTechLabs

**Emag UI BUNDLE (Symfony)**

- Symfony

**Inkydeals Ecommerce**

- https://inkydeals.com

**ARCoR**

- https://arcor.clubofrome.ro

**Symfony upgrade from 3.4 to 5.4**

- Symfony 3.4
- Symfony 4
- Symfony 5

**Symfony upgrade from 3.4 to 4.4**

- Symfony 3.4
- Symfony 4.4

**Search engine for images**

- Laravel 5

# ✪ Courses

**365 Lessons completed at Laracasts**
January 2015 — Present

**PHP Unit Testing with PHPUnit, Udemy**

**The Complete Sass & SCSS Course, Udemy**

**AWS Concepts, Udemy**

**Getting Started with PHP 7, Udemy**

**Object Oriented Programming (OOP) in PHP, Udemy**

**Learn and Understand NodeJS, Udemy**

**Advanced Javascript, Udemy**

**Learn Symfony 3 framework by practical examples, Udemy**

**PHP Security, Udemy**

**Programming Basics, Crystal Mind Academy**

**Web Designer, Crystal Mind Academy**