

# CLAUDIU NICOLA

## SENIOR SOFTWARE ENGINEER (BACKEND)

Remote, CJ, RO

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### PROFILES

GitHub  
LinkedIn  
dev.to  
Medium  
Twitter

## ABOUT

As a backend-focused professional with 8+ years of experience, my expertise lies in building scalable and easy-to-maintain cloud-native software solutions. My work has spanned industries, contributing to scalable solutions in E-commerce, Banking, FinTech, Customer Experience and Entertainment, with a recent focus on onboarding web2 users into the web3 ecosystem. Adhering to the 'You build it, you run it' philosophy, I ensure top-notch quality and accountability. While possessing a basic understanding of frontend elements, my main strength is in backend engineering, involving designing robust microservices and CI/CD processes. I also bring leadership experience, guiding small teams in collaborative environments to deliver innovative backend solutions. Grounded in Computer Science and Public Governance, my background integrates technological innovation with strategic planning.

## WORK EXPERIENCE

### Tech Lead Software Engineer, FluidTrends

March 2023 - Present

Working on scalable cloud-native solutions for a product focused on onboarding web2 users into the web3 ecosystem. Lead a small team and provide guidance and mentorship. Being in charge of the backend architecture, design, and product implementation.

## HIGHLIGHTS

- Go (Golang), TypeScript
- Docker, Kubernetes, GCP
- MongoDB
- Microservices, gRPC, GraphQL, CI/CD
- Product, web3

## Senior Software Engineer, FluidTrends

**December 2022 - March 2023**

Working on scalable cloud-native solutions for a product focused on onboarding web2 users into the web3 ecosystem.

## HIGHLIGHTS

- Go (Golang), TypeScript
- Docker, Kubernetes, GCP
- MongoDB
- Microservices, gRPC, GraphQL, CI/CD
- Product, web3

## Senior Software Engineer - Consultant, Around25

**December 2022 - June 2023**

Continue providing support for the team (few hours per month), in particular about Keycloak integration.

## HIGHLIGHTS

- Keycloak integration, CI/CD
- SaaS, Customer Experience

## Senior Software Engineer, Around25

**July 2021 - December 2022**

Part of a team that delivers scalable microservices-based solutions for a scale-up business focused on Customer Service services (chatbots). Key contributions included rewriting NodeJS services in Go (Golang), integrating Keycloak for Authentication and Authorization, System Design around event-based architecture for better scalability, and delivering new features.

## HIGHLIGHTS

- Go (Golang), NodeJS, React
- Docker, Traefik, Kubernetes, GCP, OVH
- Keycloak integration, NATS, Redis
- MySQL, PostgreSQL, MongoDB
- Microservices, REST APIs, CI/CD
- SaaS, Customer Experience

## Software Engineer, ComplyAdvantage

**October 2019 - June 2021**

Individual contributor alongside the Platform&API team. The team was responsible for delivering APIs and user interfaces used by customers in a collaborative environment with DevOps mindset and focus on continuous integration and delivery. Key contributions included breaking down the monolithic application into microservices, implementing OAuth2 authentication and introducing event-driven architecture for scaling purposes. I was involved in all parts of the SDLC, from planning and defining software design documents for new product features to maintenance and scaling.

## **HIGHLIGHTS**

- Python, PHP, Go (Golang), NodeJS
- Docker, Terraform, Ambassador, Kubernetes, AWS
- AWS Cognito integration, Kafka, Redis
- MySQL, MongoDB
- Microservices, REST APIs, Serverless, CI/CD, E2E Testing, Monitoring & Observability
- SaaS, FinTech

## **Software Engineer, WeSupply Labs**

**April 2019 - September 2019**

Giving a helping hand for a short period of time to a small start-up. Responsible for the design and implementation of core platform features.

## **HIGHLIGHTS**

- PHP, NodeJS, MongoDB, AngularJS, REST APIs, E2E Testing, Third-parties integrations
- SaaS, E-commerce, Post-Purchase Customer Experience

## **Backend Developer (PHP), Evozon**

**May 2016 - April 2019**

Contributed to two major projects, an e-commerce that operated on the US market and a Bank Loan Management Solution used by the biggest bank from Romania.

## **HIGHLIGHTS**

- PHP, Javascript, Relation Databases, REST APIs, RabbitMQ, Redis
- Magento 1.x, Symfony 3.4
- Laravel 5.x,
- E-commerce, Banking

## **Mentee, Evozon**

**October 2015 - May 2016**

Joined a new mentorship program inside Evozon to go deeper into the world of software development. The program's output was a Product Questions and Answers module for e-commerce websites. The module was adapted and used on real projects.

## **HIGHLIGHTS**

- PHP, Javascript, MySQL, REST APIs
- Magento 1.x, Symfony 3.4

## PHP Internship, Evozon

August 2015 - October 2015

Three months focused on backend development using PHP and MySQL. The final project was a team effort that simulated a real team building a small e-commerce website.

### HIGHLIGHTS

- Data Structures, PHP basics, OOP, Coding Standards
- Design Patterns, MySQL, Software Development Life Cycle

## VOLUNTEER WORK

### Mentor @ UBB IT Hub, Babes-Bolyai University

March 2018 - September 2018

Improve the digitalization level of the academic and administrative processes within Babes-Bolyai University.

<https://www.ubbcluj.ro/>

### Founder, Cluj Y.Tech

January 2017 -

Cluj Y.Tech is a community of young techies, studying in Cluj. We feel responsible for our own trajectory so for that, we study and practice software development in school plus on our own free time. We believe that we should absorb all the knowledge we can from University, but there are more knowledge, experience, and ideas out there. Cluj is a vibrant city and we should take advantage of being here! And for that, we think we can do more if we stand united!

<https://cluj-ytech.github.io/>

## SKILLS

### Worked with (alphabetically):

Ambassador	AWS	AWS Cognito	CI/CD	E2E Testing	Docker	GCP	Go (Golang)	Kafka
Keycloak	Kubernetes	JavaScript	Microservices	MongoDB	Monitoring & Observability	NATS		
NodeJS	MySQL	Linux	PHP	Python	RabbitMQ	Redis	REST APIs	Serverless
Terraform								

## EDUCATION

### Master Degree, Science, Technology and Innovation in Public Governance - Babes-Bolyai University

October 2018 - July 2020

## COURSES

- Strategic Planning | Research Methods for Process Analysis | ICT Innovation in Governance | Building Performance in Public Services: Emergency Response System | Legislative Debates regarding innovation and technology | Participatory Governance | E-government | Sustainable urban development | Public budgets

## **Bachelor, Computer Science - Babes-Bolyai University**

October 2015 - July 2018

## AWARDS

### **Transylvania Tech Talent Contest - MA Science, Technology and Innovation in Public Governance**

31 March 2018

4rd place

### **Entrepreneurship Nights - SAS UBB**

09 December 2017

1st place - Best business idea.

## PUBLICATIONS

### **Using Private Go Modules with golangci-lint in GitHub Actions**

05 January 2024

<https://dev.to/clanic/using-private-go-modules-with-golangci-lint-in-github-actions-288j>

### **NATS Message Deduplication in Go**

29 April 2023

<https://dev.to/clanic/effortless-nats-message-deduplication-in-go-2ohl>

### **AWS Lambda Go logging middleware example**

26 February 2021

<https://dev.to/clanic/learning-golang-middlewares-23g3>

### **selfTaught && findMentor**

11 December 2017

# **INTERESTS**

**Software Engineering**

**Open Source**

**Philosophy**

**Psychology**

**Leadership**

# **LANGUAGES**

**Romanian**

**Fluency: Native speaker**

**English**

**Fluency: Professional working proficiency**