

BOGDAN COPOCEAN

Senior Software Engineer

DETAILS

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DATE OF BIRTH

06/01/1996

NATIONALITY

Romanian

LINKS

[Linkedin](#)

[Github](#)

[Gitlab](#)

[Website](#)

SKILLS

Python

AWS

PostgreSQL

Elasticsearch

CI/CD

PROFILE

As a **Senior Software Engineer** I bring over **four years** of solid experience in developing **high quality** and **scalable software products**. My expertise spans across **diverse paradigms**, including but not limited to **serverless architectures** and **cloud-native applications**, underpinning a **strong commitment** to **efficient** and **robust software development**.

EMPLOYMENT HISTORY

Senior Software Engineer - Billing Platform, Hotjar Bucharest

May 2023 — Present

Currently, I am actively engaged in the role of a Senior Software Engineer, with my primary responsibility being the delivery of scalable and top-tier software solutions.

Key Contributions:

- Specialize in the development of **high-quality Python code**, focusing on **designing and implementing robust solutions** tailored to manage **high traffic levels**.
- Play a **pivotal role** in **developing and managing services** that **drive** the product's **functionality**, **reinforcing** the product's **value proposition**.
- Actively participate** in an agile, **cross-functional team** composed of product managers, designers, and other engineers, **ensuring smooth collaboration** and **communication**.
- Regularly engage with other team members **through pair programming, code reviews**, and **provision of ad-hoc support**, fostering an environment of **continuous learning and improvement**.

Technologies:

- Python - Fast API**
- AWS**
- Kubernetes**
- Docker**
- Kafka**
- PostgreSQL**

Docker

Kubernetes

Go

React

JavaScript

Kafka

HOBBIES

Ethical Hacking, Cybersecurity, health, nutrition, and sports activities

LANGUAGES

English

Senior Software Engineer - Finance & Legal, FINN

Bucharest

Feb 2022 — May 2023

In my previous role as a **Senior Software Engineer**, I focused on the delivery of **high-performance** and **scalable** software products within the **Finance & Legal department**. This work facilitates a wide array of operational capabilities for our customer base that spans across Germany and the US, covering services such as subscription creation, customer charging, reconciliations, and invoicing.

Key Contributions:

- Design and execute **robust, scalable**, and **high quality** internal financial **products** that **streamline** and **enhance core business operations**.
- Construct and manage **clean API interfaces**, fostering **Event-Driven Development** throughout all organization departments, and facilitating the efficient operation of **distributed systems**.
- **Develop, deploy, and maintain CI/CD pipelines**, ensuring efficient and effective software delivery and release management.
- Uphold software excellence through the production of clean, maintainable, and comprehensively tested code, adhering to established industry standards.
- **Implement and advocate for best practices within our Cloud infrastructure**, promoting security, efficiency, and scalability.
- Provide **mentorship** to Junior Engineers, supporting their **professional growth** and their contributions to the team.
- **Participate in the recruitment processes**, contributing to the selection of talented individuals who align with the team and the organization's goals.

Technologies:

- **Python - Fast API**
- **PostgreSQL**
- **AWS - API Gateway, Lambda, Aurora, S3, etc.**
- **Serverless Framework**
- **Citlab CI**
- **Docker**
- **Low Code - Make, NocoDB, Retool**

Software Engineer, EPAM Systems

Bucharest

Jul 2021 — Feb 2022

During my tenure with the **Elastic Observability Team**, I head the opportunity to work on the **elastic-serverless-forwarder open-source project**. The team, comprised of exceptionally talented Engineers and Product experts, facilitated my rapid professional growth and skill enhancement.

Notable Contributions:

- Enriched the project through several contributions to the codebase and documentation.
- Successfully integrated the AWS Secrets Manager service.
- Led the development of a Proof of Concept for a Notice file generator using Python.

Technologies:

- **Python**
- **AWS - Lambda, S3, SQS, CloudFormation, Secrets Manager, etc.**
- **Docker**

My experience at EPAM Systems was marked by an **intense period of training** and exploration of new programming languages and diverse technologies, including **Go, Docker, Kubernetes, and Domain-Driven Design** among others. This perpetual learning journey significantly propelled me towards achieving my goal of becoming a more accomplished engineer.

Software Engineer - ML & Data Analytics, Cyberghost SRL

Bucharest

Aug 2020 — Jul 2021

In my role within the **ML & Data Analytics team**, I **spearheaded** the development of a comprehensive **full-stack web application**. This application acted as an **invaluable tool** for stakeholders, facilitating the **visualization, report creation, and insight extraction** related to the CyberGhost VPN product. This solution provided stakeholders with the ability to **construct and share custom reports** (including filters, funnels, cohorts, insights, etc.), **evaluate** results from **A/B testing**, and **furnish** the teams with **data-driven insights for product improvement**.

Key Contributions:

- **Orchestrated** the **development of new features** and functionalities as per stakeholder requirements.
- Presided over the **maintenance and development of the ingestion pipeline** into the **Elasticsearch** cluster.
- **Optimized search and computing capabilities on the backend**, harnessing the power of multiprocessing in Python.
- Dictated the **design of the UI** and enforced UX/UI best practices on the frontend.

Technologies:

- **Python - Flask**
- **React**
- **AWS**
- **Elasticsearch and Kibana**
- **MongoDB**

In addition to this, I also conceptualized and implemented a **Mobile Push Notification System** for both iOS and Android platforms. This system served to keep customers informed about the **latest discounts and promotions**, significantly **enhancing customer conversion rates**.

Key Responsibilities:

- Developed a sturdy, **adaptable**, and **scalable software product**, **impacting hundreds of thousands of customers**.
- Upheld software excellence by writing clean, maintainable, and thoroughly tested code.

Technologies:

- **Python**
- **AWS - Lambda, SQS, SNS**
- **Elasticsearch**

Software Developer, Freelance

Romania

Jan 2019 — Jul 2020

In early 2019, I made a **decisive career shift to software development**, dedicating myself fully to the mastery of this field. I committed to **comprehensive self-education**, utilizing online resources and platforms such as O'Reilly, Udemy, FreeCodeCamp, and Youtube to enhance my knowledge and skills.

My journey began with **Python as my primary programming language**, diving deep into the study of **Data Structures and Algorithms**. This initial focus established a strong foundation, paving the way for exploration of more advanced topics like Object-Oriented Programming and Design Patterns.

Throughout 2019, I **broadened my exposure to the practical aspects of software development** through **numerous freelance projects**. This direct experience with the **production environment and client interaction** significantly augmented my understanding and readiness for a **professional setting** in the software industry.

EDUCATION

Bachelor's degree, USAMVBT

Timisoara

Oct 2016 — Aug 2020

Main subjects: **Photogrammetry, Linear Algebra and Calculus, Geometry, Physics, Trigonometry, Geodesy (Space/Satellite), Mining Surveying, Processing and Data Automation.**

Graduated: **9.8/10.**

CERTIFICATIONS

AWS Solutions Architect - Associate, AWS

Nov 2022 — Nov 2025