Daniel Burlacu

KEY COMPETENCE

- **Blockchain Development: Solana (Anchor), Ethereum (Solidity), ZK-Rollups, Web3.js, ethers.js**
- **Blockchain Intelligence Expert | Consultant | Workshop Presenter**
- **Smart Contracts: Rust, Solidity, Anchor Framework, Truffle, Hardhat, Foundry**
- **DeFi & Security: Gasless transactions, cryptographic security, smart contract auditing**
- **NFT Development: Metaplex, NFT gaming, tokenomics design**
- **Decentralized Applications (dApps): TypeScript, React, Next.js, Node.js**
- **Infrastructure & Cloud: AWS (CDK, Lambda, S3, API Gateway), Docker, CI/CD (GitHub Actions, Jenkins)**
- **Database & Backend: PostgreSQL, MongoDB, MySQL, Java (Spring Boot), Node.js**

Daniel is a highly organized and detail-oriented **blockchain engineer** with deep expertise in **smart contract security, fraud detection, and DeFi risk analysis**. Passionate about uncovering vulnerabilities in blockchain systems, he specializes in tracking **suspicious transactions, detecting smart contract exploits, and analyzing fraudulent patterns**.

His ability to quickly grasp complex security challenges and integrate **cutting-edge cryptographic solutions** makes him a valuable asset in the Web3 space. As an active contributor to blockchain communities, Daniel continuously explores **zero-knowledge proofs (ZKPs), decentralized governance, and blockchain forensics**.

He is also an experienced mentor, sharing knowledge with aspiring blockchain developers and contributing to **open-source projects** that strengthen Web3 security and innovation.

Work Experience

Gofore Spain SL	Senior Developer	02/2023 – on going
Solana Ark Foundation	Web3 Developer/Blockchain Consultant	02/2024 – on going
The Risk Protocol	WE3 Full-stack developer	03/2023 – 08/2023
CoFounder- at BehindMasksSociety	Smart Contract & Web3 Developer	01/2023 - 09/2023
Capgemini - Spain	Tech-Lead Full-Stack Capgemini	01/2020 - 01/2022
FreeLancer	Senior Developer	08/2017 - 04/2019
HarteHanks - UK	Senior Developer	06/2016 - 06/2017
Harte-Hanks-Romania	Developer - Team Leader	04/2013 - 05/2016
Harte-Hanks Romania	Analyst Programmer	04/2012 - 04/2013

Education

University Alexandru Ioan Cuza Faculty of Computer Science	07/2012
Blockchain Security & Smart Contract Auditing – Encode Club	2023/2024
Solana Builders Program Q4 – Turbin3	2024/2025
Solana Builders Program A1 – Turbin3	2025

Study Clubs

Polkadot W3TRANSFER (Encode Club)	2023
Stellar ENCODE - ZK Boot Camp	2023/2024
Mina Protocol & Wormhole Hackathons:security and ZK-based privacy solutions	2023/2024

Workshops

Workshop Illicit Political Financing	05/2025
Tools and techniques for preventing, detecting and investigating illicit political financing	03/2025

Projects Experience

Blockchain Consultant

	05/2025

Blockchain Intelligence Expert – Consultant

Project description: Organize workshop in Moldova on "Tools and techniques for preventing, detecting and investigating illicit political financing"

Project overview: This practical workshop is designed for beginner-level intelligence analysts and provides hands-on training in investigating cryptocurrency use on the dark web. Participants will learn how to safely access darknet marketplaces using Tor, identify illicit crypto transactions involving Bitcoin and Monero, and trace Bitcoin flows using open-source blockchain explorers. The session also covers OPSEC best practices and the forensic limitations of tracing privacy coins like Monero.

Blockchain Consultant

	03/2025

Blockchain Intelligence Expert – Consultant

Project description: Organize workshop in Moldova on "The use of Crypto currencies in Illicit Political Financing"

Project overview: This workshop offers a theoretical-practical introduction to how cryptocurrency transactions work on the Bitcoin and Ethereum blockchains. Participants will learn to trace transactions using free tools like Sparrow Wallet, MetaMask, and blockchain explorers such as Blockstream.info and Etherscan. Through hands-on activities and real-world examples, attendees will gain foundational skills in transaction analysis, wallet tracking, and identifying suspicious activity on-chain—crucial capabilities for analysts, investigators, and cybersecurity professionals.

Web3 Developer & Blockchain Consultant

	05/2023 - Present

Web3 Developer / Blockchain Consultant
Senior Software Engineer

Project description: Solana Ark Foundation – https://www.solana-ark-foundation.xyz/

Project overview: A Blockchain-Powered Future for Animal Welfare and Ecological Impact
The Solana Ark Foundation leverages blockchain to create a secure, transparent, and decentralized ecosystem for animal welfare and environmental stewardship. Our platform empowers veterinarians, researchers, animal shelters, pet owners, and conservationists to make an impact through reliable data and eco-friendly practices that benefit animal and environmental health.

Technologies used: TypeScript, Rust, FastAPI, NextJS, React, MUI-Chakra, Anchor, Solana

Gofore FI

	05/2024 - Present

Inspector Seppo / Hohto CV Checker
Senior Software Engineer

Project description: Gofore Internal project to aid in checking the quality of Hohto CV information.

Project overview: : Enhancing application capabilities by integrating Artificial Intelligence services through AWS Bedrock. The solution will analyze CVs, identify areas for improvement, and provide actionable insights. Additionally, it will include a feature for translating CVs into multiple languages. Based on selected skills, the application can also generate a tailored sales pitch to enhance job-seeking effectiveness..

Technologies used: TypeScript, AWS CDK, AWS S3, AWS Lambda, AWS Cloudfront, AWS API Gateway, React, Material UI

10/2023 - 03/2024

3 Step IT - Asset Management LC
Senior Software Developer

Project description: We are building the end user application called Asset Management LC for the customer 3 Step IT Group. The applications purpose is to serve as a lifecycle management tool for leasing devices.

Responsibilities: Role in Project: Software Developer
Position Overview: Played a crucial role in developing core functionalities such as device registration, delivery acceptance, and end-of-lease management, enhancing the application's utility and user experience.
Design and Architectural Contributions &Testing and Quality Assurance.

Skills: PostgreSQL, Flyway, Swagger, IntelliJ IDEA, Docker, Bash, Vuex, Vue.js, Jenkins Pipeline, pgAdmin, JavaScript, Node.js, Spring Boot, Java

07/2023 - 10/2023

Resourcing Helper - Ressu
Senior Software Engineer

Project description: This project, led by a dedicated team of software engineers, aims to revolutionize how Gofore manage their staffing processes and project allocations. The team is developing a platform designed to optimize staffing efficiency, match personnel with projects more effectively, and enhance overall productivity.

Responsibilities: Role Description: Software Engineer - Staffing Solutions Development

Position Overview: This role involves building and managing the AWS infrastructure, developing a data ingestor, establishing the server architecture, and ensuring seamless frontend communication with the server.

Skills: MongoDB, Linux, Swagger, IntelliJ IDEA, Docker, Bash, Postman, Microsoft Azure, React, Node.js, AWS CDK, TypeScript, Amazon Web Services (AWS)

03/2023 - 06/2023

Cardiff University - HateLab finalisation
Full-Stack Developer

Project description: HateLab is a global hub for data and insight into hate speech and crime. We use data science methods, including ethical forms of AI, to measure and counter the problem of hate both online and offline. The

HateLab Dashboard has been developed by academics with policy and practice partners to provide aggregate trends over time and space.

Link to the website.

Responsibilities: Role Description: Data Science and Machine Learning Engineer - HateLab Project

Position Overview: The Data Science and Machine Learning Engineer for HateLab plays a pivotal role in developing and deploying advanced data science and AI methodologies to tackle hate speech and crime across various platforms. The role requires proficiency in a range of technologies and programming languages, including AWS services, TypeScript with Node.js, Python, Java, and the Distilbert Python library for BERT classification.

Skills: Finnish, MySQL, Swagger, IntelliJ IDEA, Bash, Angular, Python, Node.js, GitLab, English, TypeScript, Amazon Web Services (AWS)

03/2023 - 03/2023

Prototyping Move SDK App
Application Developer

Project description: This project is at the forefront of developing a state-of-the-art GPS application designed for the precise collection and analysis of movement data, including location tracking, path mapping, and various mobility metrics.

Responsibilities: Role Description: QA Engineer - GPS Data Collection and Analysis Application
Position Overview: As a QA Engineer focused on the Advanced GPS Data Collection and Analysis Application, you will play a critical role in ensuring the highest quality of our cutting-edge mobile and web application.

Skills: React Native, English, Android, MoveSDK, IntelliJ IDEA**,** PostgreSQL, Linux, Java, SpringBoot, JavaScript, KSH, Apache Tomcat, CSS, HTML.

The Risk Protocol - ES

03/2023 - 08/2023

Blockchain consultant
Senior Software Engineer

Project description:
TradingView Charting Library Integration with Gasless SDK (EOA) from Biconomy.

Link to the website.

Technologies used: TypeScript, Solidity, React, Material UI, ZK-Rollups
Responsibilities: Integrating TradingView ,Implementing Gasless Transactions, UI/UX Development, Incorporating, ZK-Rollups, Testing and Deployment

Skills: React, Next.js, TypeScript, Solidity, ZK-Rollups

Behind Masks Society NFT - ES

01/2022 - 12/2022

Startup NFT's SmartContracts
Cofounder & CTO

Project description: NFT ART - Smart Contracts , NFT's gaming integration.

Responsibilities: Role Description: Blockchain Game Developer - NFT Integration Specialist

Links to some of the applications I have been working on: [NFT Slot Machine](#) , [Escape Room](#), [WSBK Champion Give Away](#)

Position Overview: This role involves the strategic selection of games for blockchain integration, designing game logic and NFT smart contracts, and ensuring seamless integration of these components. The incumbent must possess a deep understanding of blockchain technology, smart contract development, and game development principles to successfully merge the immersive world of gaming with the innovative landscape of NFTs.

Skills: Heroku, GitHub, Mocha, Bash, Chai, Visual Studio Code, Solidity, web3.js, blockchain, JavaScript, Vercel, React, Node.js, Slither, ethers.js, TypeScript, Agile, Amazon Web Services (AWS)

Capgemini - ES

01/2020 - 01/2022

Fineos
Full stack - Technical Lead

Project description: Private health insurance platform called Medlife.

Responsibilities: Primary objective was to deliver in time. Debug, integrate new features, deploy and test.

Position Overview: As a tech lead, this role focuses on working together with the client and the scrum-master to establish priorities and split the tasks among the team. This position demands a blend of creative design and technical proficiency, ensuring the delivery of high-quality cod

Freelancer UK/RO/ES

06/2017 - 01/2020

Freelancer
Senior Developer, Full Stack Software Engineer

Project description: Creating exceptional websites and captivating presentation webpages for a diverse range of clients.

Responsibilities: Role Description: Web Development Expert

Position Overview: As a Web Development Expert, this role focuses on designing and implementing innovative websites and presentation webpages for a wide array of clients across various industries. With expertise in PHP, JavaScript, CSS, HTML, and PostgreSQL, the incumbent is responsible for translating client visions into fully functional and engaging online platforms. This position demands a blend of creative design and technical proficiency, ensuring the delivery of high-quality web solutions.

Skills: PostgreSQL, Linux, Laravel, PHP, JavaScript, KSH, Apache Tomcat, CSS, HTML

HarteHanks UK

HarteHanks
Developer, Software Developer

Project description: Daniel created a comprehensive database for the APAC/EMEA/LAD/NA regions in the past. During the project, he also made sure that the geolocation codes for addresses and phone country codes were up-to-date and accurate.

Responsibilities: Role Description: Software Development Specialist - Geolocation Database Management

Position Overview: This position entails ensuring the accuracy of geolocation codes for addresses and phone country codes, along with developing and implementing software solutions that meet business requirements. The specialist collaborates extensively with clients, software professionals, and consultants to deliver high-quality, functional applications.

Skills: Perl, Oracle DB, NetBeans, PL/SQL, Oracle SQL Developer, Bash, RedHat, KSH, Java

HarteHanks Romania

Harte-Hanks
Technical Team Lead

Project description: CRUD automation, we had clients like IBM - Madison Logic, Gartner, VMWare, Symantec, Ford, Shell, CISCO, ABI, ADI, Zebra and Bureau.

Responsibilities:
Role Description: Technical Team Lead - Automation Engineering

Position Overview: Leveraging advanced scripting capabilities in KornShell (ksh) and Perl, this position is responsible for designing, implementing, and managing automation solutions on Red Hat Linux environments. The primary objective is to streamline data acquisition, validation, and processing tasks to support client engagements effectively.

Skills: Perl, Oracle DB, MySQL, PL/SQL, Oracle SQL Developer, RedHat, KSH, Java

Certification of completion

Certificate of Completion
For: Daniel Burlacu

Defensive Coding in Java
by Andrejs Doronins

Duration: 2 hrs 0 min
Completed: Oct 14, 2020

PLURALSIGHT

Certificate of Completion
For: Daniel Burlacu

Performing DevSecOps Automated Security Testing
by Peter Mosmans

Duration: 2 hrs 39 min
Completed: Dec 10, 2020

PLURALSIGHT

Certificate of Completion
For: Daniel Burlacu

Secure Coding: Preventing Insufficient Logging and Monitoring
by Peter Mosmans

Duration: 1 hrs 23 min
Completed: Dec 10, 2020

PLURALSIGHT

Certificate of Completion
For: Daniel Burlacu

Secure Coding: Preventing Sensitive Data Exposure
by Timothy Ghanim

Duration: 1 hrs 23 min
Completed: Nov 10, 2020

PLURALSIGHT

Certificate of Completion
For: Daniel Burlacu

Web Security and the OWASP Top 10: The Big Picture
by Troy Hunt

Duration: 2 hrs 3 min
Completed: Oct 13, 2020

PLURALSIGHT

Capgemini

CERTIFICATE OF COMPLETION
MyLearning

This certificate is awarded to **Daniel Burlacu**
for completing **Understanding Cybersecurity Essentials 5/5: Reporting Security Incidents**
on **9/24/2021**

Capgemini University

Stephan Poolini
Chief Talent & Learning Officer

udemy

CERTIFICATE OF COMPLETION

Ethereum Blockchain Developer Bootcamp With Solidity (2022)

Instructors **Ravinder Deol, Thomas Wiesner, Haseeb Chaudhry**

Daniel Burlacu

Date **Oct. 25, 2022**
Length **23.5 total hours**

udemy

CERTIFICATE OF COMPLETION

Productivity and Time Management for the Overwhelmed

Instructors **Josh Paulsen**

Daniel Burlacu

Date **July 29, 2024**
Length **2 total hours**

udemy

CERTIFICATE OF COMPLETION

Ultimate Rust Crash Course

Instructors **Nathan Stocks**

Daniel Burlacu

Date **July 6, 2024**
Length **3 total hours**

CERTIFICATE OF COMPLETION

This is to certify that
Daniel Burlacu

has attended and completed all the requirements of

X-Road® Fundamentals

X-ROAD

Issued 2025-04-14   Expires: 2025-04-18