Cristina Marin

Senior Full-Stack Engineer

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SUMMARY

Senior Full-Stack Engineer with more than 10 years of experience building Vue and React frontends and .NET and Node.js backends. From desktop to web, from monolith to microservices. Domain background in automotive cybersecurity (SOC, vehicle intrusion detection), KYC and compliance, and leasing and credit platforms. Former technical lead in a global engineering team spanning the US, South Korea, China and Europe. Currently a remote contractor, owning features from Figma design to production. I also work on personal projects of my own.

SKILLS

Frontend: Vue 3, Vue 2, Pinia, Vuex, React, Nuxt, Next.js, TypeScript, JavaScript, Redux, GraphQL, Material UI, Element Plus, HTML5, CSS, Tailwind CSS, Formik, Yup, Zod

Backend: .NET, ASP.NET Core, C#, Entity Framework, Node.js, Express, OAuth, JWT, ASP.NET Core Identity

APIs: REST, GraphQL (Apollo), gRPC

Data and messaging: PostgreSQL, SQL Server (T-SQL), Elasticsearch, Kibana, Redis, Kafka, SQLite, Vector Databases (pgvector, Azure AI Search, Pinecone, Chroma), Graph Databases (Neo4j, Azure Cosmos DB)

Architecture: Microservices, CQRS, Vertical Slice Architecture, Onion Architecture

DevOps and cloud: Azure DevOps, Azure Functions, Docker, Kubernetes, Terraform, TeamCity, CI/CD, Netflix Conductor

AI-assisted development: Claude Code, Claude, ChatGPT, OpenAI Codex, Gemini, MCP

Testing and tools: Jest, Sonarqube, Git (GitHub, Bitbucket), GitLab, Jira, Confluence, Electron, Figma

Domains: Automotive cybersecurity, SOC (Security Operations Centre), Vehicle intrusion detection, SBOM and vulnerability tracking, KYC and compliance, audit management, leasing and credit, healthcare

EXPERIENCE

Senior Full-Stack Engineer (Contract)

Oct 2025 – Present

Freelance · Remote

- Took full ownership of 2 applications for a UK-based client, across frontend, backend and data.
- Built and maintained several business applications, including a KYC application and an audit management application.
- Implemented integrations between the client's products and third-party services through REST APIs.
- Built data synchronization between the client's applications and external systems.
- Created scheduled background jobs that automate recurring operations.
- Added AI capabilities to the client's platform: LLM-generated summaries of third-party search results that often ran to dozens of pages, letting users review findings without reading every page.

Stack: Vue.js, React, Material UI, .NET 10, T-SQL, Azure DevOps, Git, REST API, Vertical Slice Architecture

Senior Full-Stack Engineer, Security Operations Centre

Sep 2023 – Sep 2025

Garrett Motion · Bucharest, Romania

Swiss automotive technology company (turbo, electric and hybrid). SOC products that monitor the security of vehicle fleets.

- Built the SOC Core product foundation and migrated its frontend from Vue 2 to Vue 3 (50+ components).
- Built SBOM (Software Bill of Materials) association for vehicles, letting customers identify vulnerabilities across their fleets; the feature received strong client feedback.
- Built security analytics dashboards with heatmaps, bar charts and line charts.
- Upgraded the backend from .NET Core 3.1 to .NET 8 and delivered new UI features to Product Owner specifications.
- Implemented new features for the South Korea team’s SOC application, working with millions of records in Elasticsearch and tuning the queries behind them.

Stack: JavaScript, TypeScript, Vue 2, Vue 3, Apollo GraphQL, .NET 8, PostgreSQL, Elasticsearch, Kibana, Kafka, CI/CD

Technical Lead, Full-Stack, Cybersecurity

Jan 2022 – Aug 2023

Garrett Motion · Bucharest, Romania

- Led a 5-person development team: ran stand-ups and sprint planning, assigned work by strengths and project phase, reviewed code and paired with developers.

- Defined technical solutions with Product Owners and planned quarterly roadmaps against business priorities.
- Coordinated technical decisions across a global engineering team of US, South Korean, Chinese and European engineers in six countries.
- Ran internal releases and department-wide demos to collect stakeholder feedback.

Stack: JavaScript, TypeScript, React, Node.js, Express.js, CI/CD, Electron

Full-Stack Engineer, Cybersecurity — Mar 2020 – Dec 2021

Garrett Motion · Bucharest, Romania

- Developed features for IDS Ruleset Studio, an Electron desktop application for vehicle intrusion detection, improving false-positive detection.
- Migrated the React codebase from class components to hooks (more than 30 components)
- Delivered features and bug fixes and contributed to effort estimations in a team spread across five countries.

Stack: JavaScript, React, Electron, Node.js, SQLite, Bitbucket, TeamCity, Jira

Full-Stack Engineer — Oct 2016 – Mar 2020

TotalSoft · Bucharest, Romania

Leading Romanian ERP software vendor. Its Charisma suite spans accounting, payroll and HR, agriculture, leasing and asset finance, and more, and is used in dozens of countries. Worked on leasing and credit products for financial services clients.

- Built features for leasing and credit products and implemented .NET Core microservices integrated with the existing ERP platform.
- Wrote T-SQL stored procedures and tuned product configurations with implementation teams.
- Wrote technical documentation on architecture and design decisions, used for onboarding new team members.
- Mentored junior developers and ran code reviews.

Stack: JavaScript, React, Redux, .NET Core, GraphQL, T-SQL (SQL Server), Netflix Conductor, Kubernetes, Azure DevOps, ASP.NET, Typescript, Material UI

Junior Software Engineer — Apr 2016 – Oct 2016

QSP Systems · Bucharest, Romania

Hospital management software used by 300+ public and private hospitals.

- Implemented features and fixed issues in hospital software, turning clinic requirements into specifications together with French business analysts.
- Worked in a team spread across Romania and France, in French.

Stack: C#, Qt, JavaScript, Jira

EDUCATION

Master's degree, Advanced Software Services — 2018 – 2020

University POLITEHNICA of Bucharest, Faculty of Automatic Control and Computers

Thesis: web crawlers that collected research papers from CORDIS and Brainmap for a university research platform (team of 10).
Link: researchgate.net/publication/364314838_Crawler_over_Cordis_and_Brainmap

Bachelor's degree, Systems Engineering — 2014 – 2018

University POLITEHNICA of Bucharest, Faculty of Automatic Control and Computers

Thesis: smart home IoT system with closed-loop temperature control (Arduino, Raspberry Pi).
Link: researchgate.net/publication/364314681_Smart_House_-_IoT_Project

LANGUAGES

Romanian: native

English: Professional working proficiency

Spanish: Intermediate

French: B1 (DELF)