



## PROFILE

Skilled software engineer with 16 years of experience in designing, developing and implementing custom-built software solutions.

## CONTACT

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## HOBBIES

Hiking  
Piano music  
Sci-fi Movies

# IONEL CRISTIAN IANA

SOFTWARE ARCHITECT

## EDUCATION

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### **Bucharest University of Economic Studies**

2005 - 2007

Master's degree in Computer Security

### **Polytechnic University of Bucharest**

2000 - 2005

Bachelor of Science in Science of Computers and Automated Systems

### **Radu Greceanu National College, Slatina**

1996 - 2000

Specialization in Informatics

## WORK EXPERIENCE

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### **Next Id Software - Managing Partner / Software Architect**

2018 - 2020

Managing partner for a small company that develops custom-built software solutions.

### **Technohub - Team Leader**

2014 - 2018

Team leader for a team that created core business software, used by thousands of users both in the private and public sector.

### **Squant Development - Technology Manager**

2011 - 2014

Technical manager in a company focused on creating custom-built software based on Microsoft Technologies.

### **Novensys Corporation - Developer, Team Leader**

2004 - 2011

Started as developer and continued as team leader in a company that developed business automation software using barcode technology and mobile devices.

## SKILLS

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15 years of C# application development, both server side (WCF, ASP.Net, ASP.Net core, Windows Services) and client side (Windows Forms, WPF, UWP, Xamarin, Windows Mobile, Windows CE).

15 years of T/SQL development, designing and optimizing SQL Server databases.  
12 years of leading software development teams.  
10 years of DevOps experience.  
5 years of managing Azure Resources and developing Azure apps.  
5 years of PowerShell scripting.  
5 years of Arduino development.  
Spoken languages: Romanian (native), English (very good).

## **CERTIFICATIONS AND AWARDS**

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2017 – Microsoft Certified Solutions Expert – Data Management and Analytics  
2013 – Microsoft Certified Professional – Programming in C#  
2000 - 3<sup>rd</sup> Prize, National Olympiad in Informatics, Constanța  
1999 - 1<sup>st</sup> Prize, County Informatics Contest Nicolae Păun, Rm. Vâlcea  
1999 - 2<sup>nd</sup> Prize, National Olympiad in Informatics, Mediaș  
1998 - 3<sup>rd</sup> Prize, National Olympiad in Informatics, Oradea

## **MAJOR PROJECTS**

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### **MyFuture – Boys & Girls Clubs of America**

MyFuture provides young people with a safe, fun digital platform they can use to learn, play and socialize while at the Club. Designed the solution and developed the API.

### **Quattro Shipment Overview – Quattro Intersped**

Software platform for a local freight forwarder that manages shipments, orders and invoices. Participated in all stages of development.

### **Auto Id Middleware – Next Id Software**

Orchestration platform for AUTO-ID devices like RFID gates, barcode scanners and printers. Worked as software architect and lead developer.

### **Emergency Mobile App – SMURD**

Mobile application used by the SMURD emergency service to manage patient records while on route to the case or the hospital. Created all the communication services between the mobile devices and the national emergency system's existing solutions. The solution is based on WCF and manages 3.000 simultaneously connected mobile devices.

### **Credit Scoring – Provident**

Credit scoring solution for a non-bank financial institution, used by field agents and back-office operators. Participated in all stages of development. The solution is web based and manages over 4.000 concurrent users every day.

### **I.N.D.E.X. – E.ON, Sindserv, AltUnivers**

Software platform that automates the reading of electricity meters using hand-held mobile devices and barcodes. Worked on solution architecture and design, development and data synchronization between the mobile devices, application server and customer's solutions and implementation.

### **MIOMS – Mega Image**

Solution that allows Mega Image to sell products online, on emag.ro. Participated in all stages of development.

### **E.Visa – Ministry of Foreign Affairs, Republic of Moldova**

Complete web application used by foreign citizens requiring VISA to enter or transit the territory of the Republic of Moldova. Worked on the server-side components.

**Cash Management System – TNT Group**

Solution that manages cash receipts issued for COD (Cash on delivery), transport cost and duty taxes. Participated in all stages of development. Implemented the solution for TNT Romania, Russia, Poland and Slovakia.

**Health & Safety Management System – E.ON Moldova**

Management solution for Workplace Health and Safety items. Worked on solution design, coordination of project team, development and implementation.

**SmartOP – BRD**

Multiplatform solution for offline filling and printing of bank forms. Worked as solution designer, team leader and application developer.

**I'Velo – Green Revolution**

Software platform for renting bikes and electric scooters. Participated in all stages of development.

**Manual Meter Reading – E.ON, Engie**

Platform that automates the manual reading of utility meters, using hand-held mobile devices and barcodes. Developed the communication systems between the mobile devices, application server and customer's existing solutions.

**Invoice decoder – Unicredit**

Software solution that extracts information from barcodes printed on invoices and sends them towards the payment applications used by the bank. Worked on solution design and development.

**Asset Management System – E.ON, Allianz Tiriac**

Software platform for tracking fixed assets and inventory objects using barcodes and mobile devices. Worked on solution design, development and implementation on customer sites.

**Track and Trace System – Cargus/DHL**

Platform for a domestic courier company that manages parcels throughout their entire life cycle: control, collection, information processing, delivery and billing. Participated in all project stages, from analysis to maintenance and support. The platform was built with C# and SQL Server and managed about 40.000 parcels every day, in a database more than 1TB in size.