



Simona-Amanda Oancea

Software Engineer

Computer science engineer with a passion for AI, Voice-First technology, and philosophy. I consider myself a pioneer with an original way of thinking and a strong work ethic.



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Bucharest, Romania



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github.com/simonaOancea

SKILLS

Java C++ Swing

Swift Spring

REST SOAP

Asynchronous Programming

Data Structures

Algorithms

System Design SQL

PL/SQL NoSQL

HTML CSS BPM

Git R Linux

Agile Tomcat

Weblogic AWS

Splunk Jenkins

OpenShift

SonarQube

LANGUAGES

Romanian

Native or Bilingual Proficiency

WORK EXPERIENCE

Senior Software Engineer

Luxoft

05/2021 - Present

Bucharest, Romania

Achievements/Tasks

- Designing and implementing the next-generation network management solution for Belden Hirschmann. Packed in an electron app and based on a microservices architecture, the application handles topology discovery based on LLDP, multi-network devices configuration, and event-based monitoring. Technologies and tools used: Electron | Spring Boot | Spring WebFlux | Spring Hibernate | Spring MVC | Spring Security | HiDiscovery protocol | XMOPS protocol | Gradle | Swagger | Jenkins | SonarQube | Git.
- Full ownership of key features and maintenance work on the most important Hirschmann legacy application - Industrial HiVision. Technologies used: Java SE | Java Swing | Hibernate | Corba | SNMP protocol.
- Actively involved in the DXC Java Community, where I write and talk about Voice technology, design, and strategies for building engaging skills on Alexa devices.

Software Engineer

Worldpay

12/2018 - 04/2021

Bucharest, Romania

Achievements/Tasks

- Worked on large-scale applications responsible for chargeback processing, dispute resolution, and merchant correspondence.
- I was involved in all stages of development, from the architecture and technical design stage to writing user stories, implementing features, doing code reviews, providing technical assistance, writing technical documentation, creating releases and baselines, and providing support in production.
- Technologies and tools used: Spring Boot | Spring Integration | Spring MVC | Spring Hibernate | AWS Services | Oracle SQL Server | ActiveMQ | Weblogic | Splunk | Jenkins | Nexus | OpenShift | SonarQube | Git | Jira | Rally.

BPM Application Developer

ING Bank

04/2016 - 12/2018

Bucharest, Romania

Achievements/Tasks

- Lead BPM Developer on ING Business Online project designed to deliver internet banking solutions for corporate groups.
- Developed the entire BPM project from scratch, which involved: designing the process flow, coding, unit testing, implementing web-based UIs, developing transact-SQL scripts for data retrieval, third-line support, and release planning.
- My team and I delivered a great product in less than six months. ING Business Online is currently being used by almost all corporate clients of ING Romania.

System Support Engineer

ING Bank

09/2015 - 04/2016

Bucharest, Romania

Achievements/Tasks

- Provided second-line support for banking applications written in .NET and Java.
- Discovered several critical issues by investigating incidents from production, and helped in the testing process.
- Applied workarounds to known issues and actively searched for new workarounds to issues emerged.

LANGUAGES

English
Native or Bilingual Proficiency

German
Elementary Proficiency

French
Elementary Proficiency

WORK EXPERIENCE

Database Analyst Vezicatface

07/2014 - 09/2015

Bucharest, Romania

Achievements/Tasks

- ▣ Worked in an innovative start-up environment where we built Romania's first platform for used car evaluation.
- ▣ In charge of calculating and updating the estimated used car prices and statistical research.
- ▣ Used algorithms for data cleaning, applied a statistical methodology to complex data and used a customized linear regression model specifically designed for the car market.

CERTIFICATES

ITIL Foundation certificate in IT Service Management

Certification ID: 03918331-01-BH9S

ISTQ - BCS Certified Tester Foundation Level

Certification ID: 00235355

Oracle Academy - Database Programming

PERSONAL PROJECTS

Amazon Alexa Skill - Is It True

- ▣ An original trivia game played through Amazon Alexa that covers subjects from science and astronomy to philosophy and history.
- ▣ It started with a few users and organically grew to a couple of thousands of unique users within a couple of months of its launch.
- ▣ Technologies used: AWS Lambda | Java | Dynamo DB | Amazon S3 Bucket | IAM | CloudWatch.
- ▣ Link to the game: <https://www.amazon.com/Oancea-Simona-Amanda-Is-It-True/dp/B07Y8MPR4X>

EDUCATION

Database Administration and Development

The Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics

10/2015 - 05/2017

Dissertation Thesis Grade: 9.50

Courses

- | | |
|--------------------|------------------------------------|
| ▣ Multimedia DB | ▣ NoSQL DB |
| ▣ Online DB | ▣ Java |
| ▣ Python | ▣ Spatial DB |
| ▣ Machine Learning | ▣ Database Security and Management |
| ▣ Data Mining | |

Economic Cybernetics

The Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics

10/2012 - 06/2015

Bachelor Thesis Grade: 10

Courses

- | | |
|---|-------------------------------|
| ▣ Algorithms | ▣ Object-Oriented Programming |
| ▣ Data Structures | ▣ Databases |
| ▣ Computational Intelligence | ▣ Operational Research |
| ▣ Probability and Mathematical Statistics | ▣ Web Technologies |
| ▣ Advanced Mathematics | ▣ Games Theory |