



George Ciachir-Arhire
Software developer

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Education

**Polytechnics University of Bucharest, Faculty of Electronics and Telecommunications,
B. Sc. Electronics and Communications Engineering, 2009**

“Dimitrie Cantemir” University of Bucharest, Faculty of Management
Master's Degree - Marketing and Business Negotiations, 2012

Certifications:

- OCP – Oracle Certified Professional Java SE8 Programmer – 2020, Oracle
- OCA – Oracle Certified Associate Java SE8 Programmer – 2016, Oracle
- Machine Learning – 2019, Stanford University / Coursera
- Neural Networks and Deep Learning – 2019, deeplearning.ai / Coursera
- Sequence Models – 2019, deeplearning.ai / Coursera
- Convolutional Neural Networks – 2019, deeplearning.ai / Coursera
- Improving Deep Neural Networks: Hyperparameters, Regularization and Optimization – 2019, deeplearning.ai / Coursera

IT professional development courses:

- Deep Learning Specialization – deeplearning.ai / Coursera
- Machine Learning - Stanford University / Coursera
- Java SE8 Professional & Associate - Telecom Academy
- MySQL - Bit Academy
- C & C++ - Bit Academy

Knowledge and skills

Software development:

- Programming languages: Java8, TypeScript, JavaScript, Python
- CI / Devops: Jenkins, Docker, Openshift
- Databases: MySQL, PostgreSQL, Elasticsearch.
- Testing: Junit, Mockito, Selenium, Karma
- Design patterns, DDD
- Frameworks: Spring Boot / Spring MVC, Hibernate, AngularJS, Angular, Ionic(mobile)
- Dependency management: Maven
- Messaging: RabbitMQ, Kafka
- Version control systems: Git
- Other: HTML, CSS, Confluence, JIRA

Machine Learning:

- Regression, SVM, Kernels, K-means, PCA, Anomaly detection, Recommender systems, Collaborative filtering, Artificial Neural Networks
- Deep learning:
 - Forward and back propagation
 - Regularization methods: L2, dropout
 - Optimization solutions: mini-batch gradient descent, gradient descent with momentum, Adam, batch normalization, learning rate decay
 - Convolutional neural networks algorithms: YOLO, face recognition, neural style transfer
 - Recurrent neural networks architectures: GRU, LSTM, Bidirectional RNN, Deep RNN

Banking:

- Strong knowledge and understanding of the banking business and processes

Skills and abilities:

- Data analysis and interpretation
- Ability to focus on the given objective

Professional experience

Java Software Developer - September 2018 – present
Cegeka Romania, Bucharest, Romania

June 2019 – present

Project: Several projects, part of the same applications ecosystem

- Talent matching application for the Belgium Interim market
- Various other projects, specific to the client's day to day activity (data conversions, contracts creation etc..)

Responsibilities:

- Full-stack software development in an Agile environment
- Actively participate in technical design sessions
- Develop new applications or create new functionalities for the existing ones, using a domain driven design approach
- Integrate with the Belgium public employment office (VDAB) APIs
- Develop search capabilities based on diverse criteria in order to display the best matches to the end-user
- Create various processes for automatic data importing and/or updating
- Create multiple deployment environments using the OpenShift platform

Technologies: Docker, Openshift, Angular7, Spring Boot, RabbitMQ, Elasticsearch, Spring Data, Maven, Auth0

September 2018 – May 2019

Project: Global contract repository for a large pharma company.

Responsibilities:

- Full-stack software development in an Agile environment
- Evolutive maintenance of a web application
- Redevelop parts of the web interface (JSP, Servlets) using AngularJS
- Refactor the application layers and implement MVC pattern
- Migration to newer versions of the Hibernate and Spring frameworks

Technologies: AngularJS, Spring MVC, JSP, Hibernate, Maven, Oracle DB 12

Java Software Developer - March 2018 – August 2018
Societe Generale European Business Services, Bucharest, Romania

Project: Application for the bank personnel that is involved in the process of granting loans for Small and Medium Enterprises.

Responsibilities:

- Full-stack software development in an Agile environment
- Further development of a newly created project using Java and JavaScript technologies
- Collaboration with the French development teams

Technologies: AngularJS, Spring Boot, Spring Data, Spring Batch, Hibernate, PostgreSQL, Liquibase, Maven, Logstash, Jersey

Java Software Developer - November 2016 – March 2018
Endava Romania, Bucharest, Romania

Project: Several projects for a large payments processor in the UK with multiple development streams in Bucharest and UK.

- A visual fraud and risk management solution for processing card payments
- A state-machine as a backbone for the above mentioned visual interface
- An information aggregator for enriching transactions with details from several information vendors

Responsibilities:

- Full-stack software development in an Agile environment
- Development of new applications using Java and JavaScript technologies
- Integration of the new applications into the existing platform
- Collaboration with the UK development and dev-ops teams

Technologies: AngularJS, Spring Boot, Spring Security, Spring Kafka, Spring Integration, Spring Data, Hibernate, Shiro Security, Zuul Routing, Maven, JBoss6, Elasticsearch, Kibana, Logstash, Apache Kafka.

BRD – Groupe Societe Generale - December 2006 – June 2016, Bucharest, Romania

Regional marketing and sales coordinator – November 2015 - June 2016

- Establish and implement the annual commercial objectives
- Monitor the commercial activity of the 34 regional agencies, for all business segments
- Perform KPIs analysis and interpretation for all business segments

Regional business segment coordinator for payrolls – March 2013 - November 2015

- Account management at national level for the Government Institutions for retirees (Regular, Military and Police retirees)
- Sign new payroll agreements with private companies and Government Institutions
- Perform KPIs analysis and interpretation for the payroll business segment
- Organize and coordinate training sessions (commercial, norms and procedures)

Agency Manager – October 2012 – February 2013

- Team management
- Commercial objectives achievement
- Ensure compliance with norms and procedures

Relationship Manager – May 2010 – October 2012

- Customer retention and loans approval
- Commercial objectives achievement

Bank Teller – December 2006 – May 2010

- Commercial objectives achievement