

# Cosmin Catalin Sanda

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## Professional Experience

### **Data Scientist and Engineer at AudienceProject** (started in *January 2015*)

Member of the data science team that researches, evaluates and implements technical solutions for Big Data / ML initiatives.

- Company activity field: AudienceProject provides quality prediction data to RTB platforms.
- Responsibilities:
  - Exploratory Data Analysis, Data Mining and Visualization
  - Supervised and Unsupervised Learning
  - Optimizations, Timeseries Forecasting
  - Architecture of distributed services
  - Batch and real time stream processing of Big Data
  - Data pipelines and ETL
- Technologies:
  - Spark, Hive, Hadoop, KNIME
  - Scala, R, Python, Java, C#
  - XGBoost, MXNet, Keras, ML.NET
  - AWS (Redshift, EMR, S3, DynamoDB, Kinesis, ElasticCache, RDS, Lambda)

### **Data Science Engineer at Tradeshift** (started in *May 2014* until *December 2014*)

Member of the data science team responsible for handling and capitalizing on all data produced by the platform.

- Company activity field: Tradeshift unites businesses together on a platform that focuses on invoices and documents exchange.
- Responsibilities:
  - Data mining, analytics and BI
  - Reporting and visualization
- Technologies:
  - PostgreSQL, OrientDB, Hive, HBase, Talend
  - Java, Python
  - AWS (SWF, EC2, S3, EMR, RDS, Lambda)
- References:
  - Anders Nickelsen (Data Scientist) <https://www.linkedin.com/in/andersnickelsen>

**Senior Software Engineer at UserReport** (started in *September 2013* until *April 2014*)

- Company activity field: UserReport creates products that are used to measure the effectiveness of online marketing campaigns.
- Responsibilities:
  - API design and architecture
  - Data pipeline architecture and implementation
  - Prediction models research
  - On-demand reporting
  - Database administrative tasks
  - Mentoring
  - Creating and maintaining a list of best practices for the development team
- Technologies:
  - Hadoop, Hive, MPP
  - Java, PHP, NodeJS
  - AWS (Redshift, DynamoDB, EMR, EC2, S3, RDS)

**Senior Software Engineer at Secunia** (started in *July 2011* until *August 2013*)

- Company activity field: Secunia offers vulnerability intelligence to companies and private users.
- Responsibilities:
  - Adding new features to the Corporate Software Inspector and related products
  - Active Directory integration
  - Database replication across remote locations
  - Database synchronisation
  - Android development
  - 3<sup>rd</sup> line support
  - On-demand reporting
- Technologies:
  - Java, PHP, JavaScript
  - Windows Administration, Active Directory, SCCM Administration
  - SQL Server, MySQL
- References:
  - Martin Leopold (Director of Development) <https://www.linkedin.com/in/martin-leopold-9444222>
  - Morten Rinder Stengaard (CIO) <https://dk.linkedin.com/in/mortenstengaard>

**Software Systems Engineer at 2Checkout** (started in *April 2008* until *June 2011*)

- Company activity field: 2Checkout (formerly Avangate) is a full ecommerce provider with integrated payment solutions.
- Responsibilities:
  - Developing new modules for the payment platform
  - Reporting engine
  - Payment methods integration
  - Accounting custom reports
  - Newsletter engine
- Technologies:
  - PHP, MySQL
- References:
  - Cristian Badea (CIO) <https://www.linkedin.com/in/cristianblackbadea>

## **Software Systems Engineer at Stefanini** (started in *June 2006* until *April 2008*)

- Company activity field: Stefanini (previously TechTeam) is a leader in providing customer support services.
- Responsibilities:
  - Development of the CRM application used by call center agents
  - New applications POC
  - Project management
  - Release management
- Technologies:
  - Perl, Oracle
- References:
  - Chek Teck Poh (Director of Development) <https://www.linkedin.com/in/chekpoh/>

## **Programmer at NetEngine** (started in *January 2004* until *May 2006*)

- Company activity field: NetEngine was a small company that developed web-applications.
- Responsibilities:
  - Developing the in-house CRM and ERP
  - Integrations with payment platforms and SMS services
- Technologies:
  - PHP, Javascript, MySQL

## **Education**

- **Copenhagen IT University - MSc.** - Specialization in *Databases* (February 2012 - September 2015)
- **Polytechnics University - MSc.** - Specialization in *Informatics* (September 2002 - July 2007)
- "Spiru Haret" College Of Informatics And Telecommunications - *Information Technology Technical Degree* (September 1998 - June 2002)

## **Other**

- **MXNet Copenhagen meetup organizer** <https://www.meetup.com/meetup-group-bdEUVQHL/>

## **Languages**

- English - advanced
- Romanian - native
- Danish - basic
- French - basic