

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
 - 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
 - 3rd 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 Avangate (started in *April 2008* until *June 2011*)

- Company activity field: 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/avangate>

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 *Informatic Systems Engineering* (February 2002 - September 2007)
- "Spiru Haret" College Of Informatics And Telecommunications - *Information Technology Technical Degree* (September 1998 - June 2002)

Languages

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