Data Engineer

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Work Experience

(on-going)	**Data Engineer**, *GameAnalytics*, London, **full time**.

- Building up GameAnalytics data science platform. Including being responsible for best practices for data engineering and implementing data science features.
- Technology's used such as, Python3 with type enforcement. Data science and data manipulation frameworks: pymc3, Pandas, numpy, scipy. Distributed data processing frameworks: PySpark. Infrastructure: Terraform, docker, docker-compose. Schedule and workflow platform: Apache Airflow. Database technologies: MySQL, Apache Druid, Redshift, DynamoDB. Cloud: AWS(S3, EC2, EMR, SQS), Google(Big Query)
- Working on closely with data scientist to put statistical AB testing models into production. Covering both data engineering and data science aspects.

Jun 2019 **Data Engineer**, *YoYo Wallet*, London, **full time**.

- Data Engineer for large scale data modeling. Data processing in real time and batch with analytics.
- Technology's used such as Apache Spark, Terraform, Kafka, AWS(Redshift, S3, ECS, Kinesis), Postgres, Python, Pandas, Faust, Alembic, ELK stack, Airflow.
- Had responsibility for the data warehouse and helping BI team to transition to Redshift.
- Also managing an intern within the data team.

Aug 2018 **Data Engineer**, *Yieldify*, London, **full time**.

- Data Engineer for large scale data modeling/processing and analytics.
- Technology's used such as PySpark, AWS (ECS, Ec2, EMR), Python3, Typescript, Kubernetes, Grafana, Kibana.

Jan 2018 **Developer Connected Vehicle Cloud**, *Ericsson AB*, Gothenburg, Sweden, **full time**.

Dec 2017 **Software Engineer**, *Drivec AB*, Helsingborg, Sweden, **full time**.

May 2016 **Algorithm & Data Structure T.A**, *Halmstad University*, Halmstad, Sweden, **part time**.

2015 - 2016 **Software Engineering Trainee**, *Drivec AB*, Helsingborg, Sweden, **part time**.

2011 - 2014 **Support & Field Test Engineer**, *Drivec AB*, Helsingborg, Sweden, **full time**.

Education

2014 - 2017 **BA of Science in Engineering, Computer Science & Engineering**, *Halmstad University*, Sweden.

- ***Machine Learning thesis project where we delivered a cloud module called ITMS - MLA**[2]. Which was honored as the best thesis in the categories of Computer Science, Electronic, Mechatronic Engineering.*

2016 - 2017 **Exchange Student BA Computer Science & Engineering**, *Korea University*, KOR, 87.2/100 GPA.

2012 - 2013 **Computer Science**, *Malmö University*, Sweden.

Technical skills

- Main Programming/Script Languages:**(>3 years: Python3), (>1 years: Terraform)**
- Main Distributed Computing Framework:**(>2 years: PySpark), (<1 years: Hive)**
- Main Data Analysis & Manipulation Tool:**(>2 years: Pandas)**
- OS-Level Virtualization Tool: **(>3 years: Docker, Docker-Compose), (<1 years: K8S)**
- Main DB Technologies:**(Columnar: Redshift, BigQuery), (NoSQL: DynamoDB), (RDBMS: Postgres, MySQL)**
- Main Cloud Technology:**(>3 year: AWS), (<1 year: Google Cloud)**
- Certifications:**[Coursera - Machine Learning]**
- Publications ITMS - MLA[2]: **[Thesis - Diva Portal][IOP Science Publication]**

References

Portfolio: **[GitHub]**
Honors & Awards: **[Scholarship - Best Thesis] [Scholarship - Sparbanken Kronan]**

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[1]CAN - Controller Area Network
[2]ITMS MLA - Indirect Tire Monitoring System - Machine Learning Approach