Ozan **Pekmezci**

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Technical Skills

Languages	Python, SQL, JavaScript, Java
Technologies	Azure, AWS, Flask, Express, Databricks, Spark, Hadoop, Airflow, Keras, Postgres, MongoDB, Docker, Kubernetes
Other	Linux, Unix command-line tools, Git, Scrum

Project Experience

Data and Analytics Platform - BCG project for a telecommunication company in Sweden *Apr. 2020 - Present*
- Work as a data engineer to create a data and analytics platform to drive the client company to be data-driven .
- Schedule ETL pipelines using Airflow that run Databricks notebooks and save data in delta format on Azure Data Lake.
- Perform Apache Spark operations on Databricks, which runs on top of Apache Hadoop.
- Lead a team of three cloud engineers to create the infastructure on Azure using Terraform.

Data and Analytics Platform - BCG project for a leading jewellery company in Denmark *Jan. 2020 - Apr. 2020*
- Worked as a data engineer leveraging data assets by creating a Data platform, speeding the value delivered by machine learning use cases.
- Developed data processing pipelines (ETL), leveraging open source technologies (Airflow, Hadoop) and Azure PaaS services (Data Lake, Data Factory).
- Leveraged industrialized data processing and exploration capabilities provided by Databricks with an underlying Spark cluster.
- Led a data engineering team and delivered to stakeholders new governed data assets and capabilities available through our Data as a Service platform.

On-the-fly car tuning platform - BCG project for a leading automative company in Germany *Oct. 2019 - Dec. 2019*
- Worked as a backend developer at the creation of an app store platform to tune cars on the fly for a leading automotive company in Germany.
- Developed 4 different microservices using the Flask framework and Python programming language to create a scalable backend.
- Participated in the creation of the AWS cloud stack that is developed on CloudFormation as infrastructure-as-code.
- Developed the AWS Cognito authentication service that protects other services behind API Gateway.

Ampelligence - Hackathon project that made us win 2 awards *Sep. 2017 – Oct. 2018*
- Developed a system to warn vehicle drivers when a bicycle is detected at crossings.
- Used Convolutional Neural Networks to distinguish between the detected objects with YOLO real-time object detection.
- Created a Business Plan using a Lean Canvas to give the project direction, define objectives and help the project getting funded.

The Voice of Retail - TUM project for the company MediaMarktSaturn *Apr. 2017 - Aug. 2017*
- Developed a Chatbot built on Dialogflow for MediaMarktSaturn that can be interacted via voice or text.
- Connected the bot to the Express backend and iOS client giving the users a complete experience.
- Presented the application to an audience of 400 for a software theatre.

Work Experience

Boston Consulting Group (BCG) Platinion - Software Engineer BERLIN, DE │ *Oct. 2019 - Present*
- Participate in 3 client projects as backend developer and data engineer, which are listed in the project section.
- Become a part of the agile chapter that organizes projects and meetups about various cloud, data and application development topics.
- Code Python microservices that run on Docker for an internal finance project.

Master thesis project at Motius GmbH and fortiss GmbH - Machine Learning Engineer MUNICH, DE │ *Oct. 2018 - Jun. 2019*
- Developed a Recommender System that addresses the diversity principle to improve user satisfaction.
- Fed data into Embedding layer and predict project-talent relevancy using Deep Neural Nets developed on TensorFlow and Keras.
- Accepted feedback from users and directly improve the model using a feedback loop.

Konfid.io UG - Full-Stack Developer BERLIN, DE │ *Apr. 2018 - Sep. 2018*
- Developed Ethereum Smart Contracts using Solidity.
- Deployed and maintained Ethereum-based distributed ledger protocol Quorum to Ubuntu servers using Docker.
- Programmed Node.js applications that listen, process and push data into the Blockchain.
- Utilized Web3.js to read data from the Blockchain and show data on the Front-End.

Motius GmbH - Front-End Developer MUNICH, DE │ *Sep. 2017 - Apr. 2018*
- Developed and designed a Dashboard for a smart city project based in Dubai.
- Used Front-End libraries React to build the User Interface and Redux to manage states.
- Ensured the user-friendliness of the Dashboard on different screen sizes with CSS.
- Worked with a team of 6 and took part in the decision-making processes.

Pentland Firth Software GmbH - Full-Stack Developer MUNICH, DE │ *Mar. 2017 - Sep. 2017*
- Improved the existing ERP, CRM solution using the Odoo framework.
- Implemented an improved solution for a client.
- Programmed the Back-End in Python and the Front-End in JavaScript.

Education

Technical University of Munich (TUM) - M.S. in Informatics MUNICH, DE │ *2015 - 2019*
Technical University of Munich (TUM) - B.S. in Informatics MUNICH, DE │ *2012 - 2015*

Honors & Activities

2018	**Machine Learning Nanodegree**, Udacity	MUNICH, DE
2018	**Winner**, Bavarian Traffic Security Award	BAMBERG, DE
2017	**Winner**, Think Make Start	MUNICH, DE