BARIS AYDEMIR

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PROFESSIONAL EXPERIENCE

Full Stack Developer | Luna Software, Toronto, ON   August 2021 - Present
- Developed an AI-powered inventory management system using Python and TensorFlow, increasing inventory accuracy by 35%.
- Created dashboards with JS/HTML/CSS and Tableau for retail stores, displaying AI-recommended products, store information, and sales data.
- Managed data storage with PostgreSQL and Redshift, ensuring efficient and secure data handling.
- Implemented Apache Spark for data pipelines, enhancing data processing speed and reliability.
- Collaborated with cross-functional teams to integrate AI solutions, resulting in a 20% reduction in stockouts and overstock incidents.

Full Stack Developer | Mimiq, San Fransisco, CA   September 2020 – April 2021
- Developed backend infrastructure for IoT devices, implementing LoRaWAN communication for global device connectivity.
- Migrated from Firebase serverless to ASP.NET (C#) backend, resolving performance issues and improving system response times by 160%.
- Conducted code reviews, quality assurance, and debugging sessions, ensuring the highest quality of software deliverables.
- Created and maintained the product page (https:/mimiq.io/), enhancing user engagement and product information accessibility.
- Enabled seamless IoT device integration, which increased operational efficiency by 25%.

KEY SKILLS

Programming Languages: Python, C#, JavaScript, SQL
Web Development: HTML, CSS, ReactJS, REST, Web Sockets
Data Management Tools: Spark, Airflow, Tableau, Amazon Redshift
DevOps: Git (Version Control), CI/CD, Docker, Linux
Cloud: Amazon Web Services

EDUCATION

Computer Programmer Diploma | Georgian College, Barrie, ON   2017 - 2019

ACCOMPLISHMENTS & CERTIFICATIONS

First Place Winner | Toronto Health Datathon, Toronto, ON   February 2023
- Won by training two deep learning models using Health Data Nexus. The first model classifies DICOM images of fractured vertebrae from CT scans as acute or chronic and detects the specific vertebrae. The second model predicts the fracture location using segmentation masks, reducing patient wait times and improving outcomes.

TensorFlow Developer Certificate | TensorFlow   October 2022
- Certified TensorFlow Developer skilled in practical machine learning through model building and training using TensorFlow.