Ariel Paulin

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EXPERIENCE

Senior Software Developer
CNH Industrial

Mar 2023 – Present
Toronto, Ontario (Remote)

- Collaborate with a distributed team of 10 developers and 10-15 QA professionals in the USA, Ukraine, and India
- Develop and improve data pipelines for ingesting and enriching live field equipment data
- Create APIs for downstream teams to leverage functionalities and insights from the enriched data
- Utilize Scala, Spark, Apache Flink and Azure to build robust solutions for data processing
- Support production code during on-call rotations, ensuring smooth operations and timely issue resolution

Senior Software Developer
DataPassports

Jul 2020 – Dec 2022
Toronto, Ontario (Remote)

- Worked alongside a team of 5-7 developers, 3-5 QA, and 2-3 DevOps personnel on a Scala-based Spark application
- Built a multi-stage pipeline for data models and TensorFlow on SQL tables for entity recognition
- Implemented a new API workflow with Kafka and Spark Streaming to achieve 20x improvement in performance
- Developed a new feature to allow token-based authentication with Azure SQL using Azure Active Directory
- Collaborated with senior leadership to develop and implement new feature sets based on client needs

Scala Developer
AwareAds

Jun 2019 – Jul 2020
Toronto, Ontario

- Acted as the lead Scala developer of the Real-Time Bidding Platform (RTB)
- Conducted engineering analysis of all services and compiled a formal report in LaTeX
- Redesigned and implemented all backend microservices using the Play Framework
- Built an AdExchange simulator for stress testing infrastructure and simulating the RTB environment

(Contractor) Play Developer
Publicis Sapient

Oct 2018 – Apr 2019
Toronto, Ontario

- Developed features for the Walmart.ca checkout flow using Play Framework
- Collaborated with 5-7 developers and vendors to integrate third-party services
- Deployed services using Jenkins and Walmart internal tools

Software Developer
AppDirect

Jan 2017 – Apr 2017 | Sep 2017 – Dec 2017
Montréal, Québec

- Developed a new Scala-based microservice to handle communication with an external API
- Built all functionality using Akka, Akka-HTTP, Scalaz, and Play Framework
- Integrated a Redis instance to store both temporary user data and asynchronous data
- Developed UI for the internal ticketing system using React, Redux, and Axios

EDUCATION

University of Waterloo
Bachelor of Applied Science

Waterloo, Ontario
Sep. 2013 – Apr 2018

TECHNICAL SKILLS

Languages: Scala, Java, Python, SQL, JavaScript, C#, C++, C, Assembly (ARM)
Technologies:Akka, Spark, Kafka, Flink, Play Framework, React, Node.js
Developer Tools: Git, IntelliJ, Eclipse, AWS, Azure, Docker, Jenkins