Ariel Paulin

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Summary

- Extensive experience with Scala and Java, building scalable and performant backend services
- Past exposure to JavaScript (React & Redux), Node and Python for web development projects
- Solid academic background in C#, C++, C, and Assembly fostering an understanding of fundementals
- Proficient in project management tools (e.g., Jira) and version control systems (e.g., Git)
- Familiarity with Agile and Kanban development lifecycles, collaborating with teams of all sizes

Experience

Senior Software Developer | CNH Industrial
Toronto, Ontario (Remote)

GEO SPATIAL SERVICE TEAM
March. 2023 - Present

- Collaborated with a distributed team of 20 developers and 20-30 QA professionals in the USA, Ukraine, and India
- Developed and improved data pipelines for ingesting and enriching large amounts of live field equipment data
- Created APIs for downstream teams to leverage functionalities and insights from the enriched data
- Built and deployed robust data processing solutions using Scala, Spark, Apache Flink, HBase, and Azure tools.
- Participated in on-call rotations, providing support for code running in production, ensuring smooth operations and timely issue resolution

Senior Software Developer | DataPassports
Toronto, Ontario (Remote)

TRUST SERVICES
July. 2020 - Dec. 2022

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

Scala Developer | AwareAds
Toronto, Ontario

BIDEXO PROJECT
Jun. 2019 - July. 2020

- Acting lead Scala developer of Real-Time Bidding Platform (RTB)
- Conducted engineering analysis of all services and compiled formal report in LaTeX
- Redesigned and implemented all backend microservices using the Play Framework
- Built AdExchange simulator for stress testing infrastructure and simulating RTB environment
- Created new suites of tests using ScalaTest and various scripts for data transformation

(Contractor) Play Developer | Publicis Sapient
Toronto, Ontario

CHECKOUT TEAM
Oct. 2018 - Apr. 2019

- Worked with team of 5-7 developers on checkout flow of Walmart.ca
- Created new end-user functionality via Play Framework (Scala)
- Developed new features with other third party vendors
- Deployed service into environments using Jenkins, and Walmart internal integration tools
- Created new suite of tests using ScalaTest and assisted in the refactoring of existing automated tests

Software Developer | AppDirect

PLATFORM TEAM - APPHELP

- Developed 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
- Deployed service into production incorporating ScalaTest suite and SaltStack using TeamCity
- Developed UI for internal ticketing system using React, Redux & Axios
- Created new suite of tests using Jest & Enzyme

Software Engineering | Sears Holdings Corp.

Hoffman Estates, Illinois

CART & CHECKOUT TEAM

May. 2016 - Aug. 2016

- Worked with senior staff to design and architect a project tracking and management tool
- Spearheaded development of a web application using ReactJS and Node.JS
- Integrated Bootstrap, Reflux and Express into an ongoing project

Software Designer | Nokia

Ottawa, Ontario

SAM NSP TEAM

Aug. 2015 - Dec. 2015

- Designed and built server-side functionality for a piece of enterprise software
- Implemented new features using Spring Framework, Jersey Framework and Apache Commons
- Wrote all logic relating to importing, parsing, manipulating and exporting application data
- Developed comprehensive list of JUnit tests to ensure product functionality

Education

University of Waterloo

Waterloo, Ontario

BASc. COMPUTER ENGINEERING

Sept. 2013 - Apr. 2018