Ariel Paulin
COMPUTER ENGINEERING

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Summary

- Experience with Scala, Java, C#, C++, C, SQL, VHDL, Assembly, Python, JavaScript (React & Redux), HTML and CSS
- Proficient in project tracking, version control and continuous integration technologies (e.g., JIRA, Git, TeamCity)
- Software development lifecycle experience (i.e., Agile) with large development teams
- Development experience on Linux and Windows environments

Experience

Software Developer | AppDirect
PLATFORM TEAM - APPHELP

Montréal, Québec
Jan. 2017 - Apr. 2017
Sept. 2017 - Dec. 2017

- 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 Designer | Nokia
SAM NSP TEAM

Ottawa, Ontario
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

Software Developer | IBM Canada
RIVERSIDE SOFTWARE LAB (COGNOS TM1)

Ottawa, Ontario
Jan. 2015 - Apr. 2015

- Collaborated with team of 20-25 developers on enterprise software (i.e. Cognos TM1 Analytics)
- Implemented new functionality using HTML, CSS and JQuery for beta release
- Developed suite of automated tests that were deployed by integrating Jenkins and Selenium
- Assisted in the discovery and remediation of software bugs

Technical Systems Integrator | Bell Canada
IP INNOVATIONS LAB

Toronto, Ontario
May. 2014 - Aug. 2014

- Performed data analysis and conducted laboratory experiments
- Worked closely with senior team members, technology subject matter experts, network operations, and vendors to develop new services
- Certified new carrier grade router and infrastructure for various TCP/IP protocols (e.g., IS-IS, OSPF, MPLS, BFD, BGP, Multicast)

Projects

C Based OS Programming
- UNIX based multiprocess and multithreaded programs using common design practices (e.g., IPC, Semaphores, Mutexes)

Assembly Software Design (ARM)
- Morse code converter and reaction timer using 32-bit ARM Cortex-M3 microcontroller

Embedded C Programming
- Firmware level software on Altera DE2 FPGA board which made use of LCD, Line Out and SD Card Reader

Eye Tracking Analytics Software
- Web frontend in React for aggregating and viewing data from mobile eye tracking software

Education

University of Waterloo
BASc. COMPUTER ENGINEERING

Waterloo, Ontario
Sept. 2013 - Apr. 2018