

# Rian Saunders

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## WORK EXPERIENCE

### PC ENGINEERS | JUNIOR ENGINEER

May 2017-August 2017 | Nassau, Bahamas

- Managed legacy systems based on multiple technologies such as Microsoft Active Directory and other IAM providers.
- Provided customer facing support to clients and created solutions to their software and hardware problems.

### NIAGARA COLLEGE (CSP) | SOFTWARE ENGINEER

January 2017-April 2017 | Welland, Ontario

- Distributed the project's tasks and boosted the team's morale while exceeding the project's timeline.
- Optimized development time by 70% by developing automation to improve our workflow as we translated our codebase to ASP.NET.

## TECHNICAL PROJECTS

### PROGRAMMING LANG. & INTERPRETER | Github | Website

- Built a small programming language and interpreter in Java.
- Support for functions, conditionals, global name spaces, arrays, threads, recursion, basic arithmetic and more.

### SORTING VISUALIZER | Github | Website

- Built a tool to visualizer algorithms in Typescript .
- Support for merge, bubble, quick and heap sorts..

### PATHFINDING VISUALIZER | Github | Website

- Built a tool for visualizing pathfinding algorithms in Typescript .
- Support for A\* and Dijkstra's algorithm.

### NIO HTTP SERVER W/ WEBSOCKET SUPP. | Github

- Built an HTTP server in Kotlin to serve files and answer to web socket requests.
- Supports routing, scripting and error-handling.

## FULLSTACK APPLICATIONS

### HOLDMYNOTE | Github | Website

- A todo list application. Built on the MERN stack.
- Features user authentication and API communication.

### PUSHERCHAT | Github

- Distributed social chat with rooms and commands.
- Features real-time typing, messaging and user notifications.

See more on <https://riansaunders.com>

## ENTREPRENEURIAL

### BOTMW | FULL STACK ENGINEER

*FREELANCE SOFTWARE DEVELOPMENT*

June 2018-Present | Multinational

Total clients to date: 11

- Build web, desktop and mobile applications using modern technologies.
- Coordinate a small but specialized team of talented individuals.
- Manage deliverables and timelines for clients to maintain an open line of communication.

## SKILLS & TOOLS

### LANGUAGES

Kotlin • Java • Typescript • C# • Python • Javascript • HTML • CSS

### FRONTEND

React • Angular • AngularJS • Vue • jQuery

### BACKEND

J2EE • Spring • Express • ASP.NET • NodeJS

### DATA STORAGE

MongoDB • DynamoDB • PostgreSQL • Cassandra • MySQL • Redis • Kafka

### CLOUD SERVICES & OPS

AWS • Azure • GCP • Docker • Kubernetes • Serverless

## EDUCATION

### ALGOEXPERT | COMPUTER SCIENCE AND ALGORITHM COURSE

Graduation in 2020 | Welland, Ontario

Curriculum: Complexity Analysis, Data Structures and Algorithms

Awards: Certificate of Completion

### NIAGARA COLLEGE | COMPUTER PROGRAMMER ANALYST

Graduated June 2018 | Welland, Ontario

Cum. GPA: 91%

Awards: Honors • Niagara Scholar Award