

# Jesse T. E. Quinn

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Seeking the following positions: Remote site reliability engineer.

## Skills

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<b>SRE</b>	Terraform, Ansible, Vault, Grafana, Prometheus, Loki, Elastic Stack
<b>Cloud</b>	AWS, GCP, DO, Oracle, IBM
<b>Orchestration</b>	Kubernetes, Nomad, Docker-compose, Docker Swarm
<b>Server</b>	Linux, OSX, Apache, Nginx, HAProxy, Voyager, DNSmasq, COREDNS, Bind, IMAP, POP, FTP, SSH, SAMBA
<b>Scripting</b>	Bash, Python, Perl, Latex, PHP
<b>Programming</b>	HTML5, CSS/Sass/SCSS, Markdown, liquid, Jinja, Twig, Javascript, Ruby, C/C++, Java, C#, GO, Node
<b>Datastores</b>	MySQL, MariaDB, PostgreSQL, Mongo, Cassandra, Cortex, Timescale, InfluxDB, Redis
<b>Languages</b>	English ( <i>native</i> ) and Portuguese ( <i>intermediate</i> )

## Professional Experience

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### ZPE Systems

DEVOPS ENGINEER, TEAM LEAD SRE

*Blumenau, Brazil*

*May. 2021 – present*

Manage projects and team. Develop and maintain security and best practices for various pipelines. Design and maintain monitoring of both cloud and on-premise environments from Kubernetes to computes. IaC with Ansible, and Terraform. Write custom providers for Terraform. Design and construction of on-premise SaaS delivery.

### Indyxa/FlowTI

SENIOR DEVELOPER

*Blumenau, Brazil*

*Apr. 2020 – May. 2021*

Implemented and maintained Zabbix, Grafana and Elastic stacks and servers. Created and implemented various types of GROK filters, pipelines and sources (i.e. beats, log files, redis). Support service team with IaC (Ansible) for the provisioning and management of Zabbix and Beats. Designed and developed several Golang related APIs and CLIs. Designed and implemented proof-of-concepts for data streaming, warehousing, and storage. Implemented and maintained Kubernetes and Nomad clusters. Implemented and maintained Drone CI/CD.

### ConnectTV

FULL STACK - SYSTEMS ARCHITECT - LEADER

*Miami, USA*

*Mar. 2020 – present*

Manage several projects related to IPTV. Design and implement microservices backend with NestJS. Utilize NuxtJS/VueJS for frontend. Implement and manage MX mail servers, Elastic stack, Grafana, Prometheus, Loki, Kubernetes and Docker Compose orchestration.

### ViViHoldings, ViViTech, ViViPay

SENIOR DEVELOPER

*Blumenau, Brazil – Baton, USA*

*Jun. 2019 – May. 2020*

Utilized various programming and scripting languages such as HTML, CSS, PHP, Bash, Python, Javascript and Go. Incorporation of various frameworks such as Woocommerce, Wordpress, Symfony, NestJS, ReactJS, VueJS, NuxtJS, Node, Express, and Angular. Designed and implementation of testing. Designed and implementation of interfaces for Mysql, MariaDB and Mongo backends using various frameworks such as Propel, Eloquent and Doctrine. Designed and systems configuration with Docker, Docker Compose, Symfony, Composer, Apache, Nginx, etc. Implemented Drone CI/CD. Managed an Elastic stack implementing various beats and logstash filters to monitor development and production sites and applications.

### Dr Osvaldo Novais de Oliveira, University of São Paulo

POS-DOCTORATE

*São Carlos, Brazil*

*2017 – 2018*

Worked with Python - data wrangling, machine learning (KNN, PCA, UMAP and IDMAP) for the visualization and better understanding of biosensors.

### Dr Boxin Zhao, University of Waterloo

RESEARCHER

*Waterloo, Canada*

*2012 – 2013*

Employed Python - data wrangling and data visualization.

### Opalux Inc.

RESEARCHER

*Toronto, Canada*

*Feb. – Jul. 2009*

Designed and constructed hot-pot (potentiometer) for P-INK devices. Responsible for the concept, construction and maintenance do commercial website utilizing MySQL, HTML5, CSS and Javascript.

## Ministry of Environment

DATA ANALYST

Utilized Python - data wrangling and data visualization.

Toronto, Canada

Sep. – Dec. 2008

## Education

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### University of Waterloo

DOCTORATE IN CHEMICAL ENGINEERING

Waterloo, Canada

2013 – 2017

### Ryerson University

MASTER IN MOLECULAR SCIENCE

Toronto, Canada

2010 – 2013

### Ryerson University

BACHELOR IN CHEMISTRY

Toronto, Canada

2005 – 2010

### Seneca College - York University

DIPLOMA

Studied various software development languages such as C, C++, JAVA and C#, frontend and scripting languages such as Perl, PHP, Javascript, Bash, Python and various databases such as Oracle and MySQL.

Toronto, Canada

2000 - 2004

## Certification

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### C# Programming for Unity Game Development Specialization

ONLINE COURSE

- Five (5) separate courses

University of Colorado

([coursera.org](https://www.coursera.org))

in progress

### Advanced Machine Learning Specialization

ONLINE COURSE

- Seven (7) separate courses

National Research University

([coursera.org](https://www.coursera.org))

in progress

### PHP - Content Management Systems (CMS)

ONLINE COURSE

- Duration: 38 hrs

Udemy.com

2019

### Machine Learning Specialization

ONLINE COURSE

- Four (4) separate courses
- Course Description: Machine learning fundamentals using a case study approach - machine learning tasks such as regression, sorting, grouping, and retrieval are covered

University of Washington

([coursera.org](https://www.coursera.org))

2019

### Applied Data Science with Python Specialization

ONLINE COURSE

- Five (5) separate courses
- Course Description: Specialization includes fundamentals in Python, plotting, graphing and data representation, machine learning, text mining and social network analysis

University of Michigan

([coursera.org](https://www.coursera.org))

2018

### IBM Data Science Professional Certificate Specialization

ONLINE COURSE

- Nine (9) separate courses
- Course Description: The specialization covers the fundamentals of Python and other open source tools for data science, data science methodology, Python for data science, databases and SQL for data science, data visualization, data analysis, and machine learning

IBM ([coursera.org](https://www.coursera.org))

2018

### The Complete JavaScript Course 2018: Build Real Projects!

ONLINE COURSE

- Duration: 26.5 hrs
- Course Description: ES5, ES6, Advance Objects and Functions, Classes and subclasses, Asynchronous Javascript, API, Webpack, Babel, NPM Scripts and Module Pattern

udemy.com

2018

## Electron for Desktop Apps: The Complete Developer's Guide

udemy.com

ONLINE COURSE

2018

- Duration: 8 hrs
- Course Description: Garbage Collection, Menu Bars, Status Tray, OOP, IPC, React-Redux, Webkit and Fluent-ffmpeg

## The Python Mega Course: Build 10 Real World Applications

udemy.com

ONLINE COURSE

2018

- Duration: 24 hrs
- Course Description: OOP, GeoJSON, JSON, Folium, Flask, Tkinter, SQLite3, PostgreSQL, OpenCV, Bokeh and Heroku

## Complete Python Masterclass

udemy.com

ONLINE COURSE

2018

- Duration: 40.5 hrs
- Course Description: Program Flow Control, Lists, Tuples, Dictionaries, Sets, Databasing, Modules, Functions, Generators, List Comprehensions, Lambda Expressions, Mapping, Filtering, Input/Output and OOP

## Python for Data Science and Machine Learning

udemy.com

ONLINE COURSE

2018

- Duration: 21.5 hrs
- Course Description: Numpy, Pandas, Matplotlib, Seaborn, Plotly, Machine Learning, Linear Regression, Logistic Regression, K Nearest Neighbours, Decision Trees and Random Forests, Deep Learning, Neural Nets, Big Data and Spark

## React: Nanodegree Program

udacity.com

ONLINE COURSE

2018

- Duration: 4 months
- Course Description: React, Redux, React Native and various other node modules

## Modern React with Redux

udemy.com

ONLINE COURSE

2018

- Duration: 26.5 hrs
- Course Description: React, Redux, React-Router, Webpack and ES6

## Awards

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2018	<b>Awarded</b> , Park and Veva Reilly	Waterloo, Canada
2017	<b>Awarded</b> , FAPESP	São Carlos, Brazil
2016	<b>Awarded</b> , IPR Award	Waterloo, Canada
2016, 2017	<b>Awarded</b> , Graduate Research Paper Award	Waterloo, Canada
2015, 2016	<b>Awarded</b> , WIN Nano Fellowship	Waterloo, Canada
2013 - 2017	<b>Awarded</b> , Waterloo Graduate Research Scholarship	Waterloo, Canada
2010 - 2013	<b>Awarded</b> , Ryerson Graduate Scholarship	Toronto, Canada