

Jesse T. E. Quinn

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Seeking the following positions: Remote site reliability engineer.

Skills

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

Professional Experience

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.

Indyxa/FlowTI

SENIOR DEVELOPER

Blumenau, Brazil

Apr. 2020 – May. 2021

Implemented and maintain Zabbix, Grafana and Elastic stacks and servers. Create and implement 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 applications (APIs, services) and CLIs. Design and implement proof-of-concepts for data streaming, warehousing, and storage. Implemented and maintain K8s and nomad servers. Implemented and maintain Drone for CI/CD.

ConnectTV

FULL STACK - SYSTEMS ARCHITECT - LEADER

Miami, USA

Mar. 2020 – present

Manage several projects related to IPTV. Designed and implemented microservices backend with NestJS. Utilize NuxtJS/VueJS for frontend. Implemented and manage MX mail servers, Elastic stack, Grafana, Prometheus, Loki, K8s and Docker-compose orchestration.

ViViHoldings, ViViTech, ViViPay

SENIOR DEVELOPER

Blumenau, Brazil – Baton, USA

Jun. 2019 – May. 2020

Utilized of 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. Design and implementation of testing. Design and implementation of interfaces for Mysql, MariaDB and Mongo backends using various frameworks such as Propel, Eloquent and Doctrine. Design 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

Toronto, Canada

Sep. – Dec. 2008

Utilized Python - data wrangling and data visualization.

Education

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

C# Programming for Unity Game Development Specialization

ONLINE COURSE

- Five (5) separate courses

University of Colorado

(coursera.org)

in progress

Advanced Machine Learning Specialization

ONLINE COURSE

- Seven (7) separate courses

National Research University

(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)

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)

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)

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

ONLINE COURSE

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

udemy.com

2018

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

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