

Joseph Jackson

431 Market Street | San Diego CA, 92107 | joja5627@gmail.com | 303.501.5076

Education: University of Colorado | Boulder, Colorado

EDUCATION:

B.A. Neuroscience | University of Colorado Boulder

January 2012 - January 2016

B.A. Computer science | University of Colorado Boulder

January 2012 - January 2016

PROFESSIONAL EXPERIENCE:

SOLUTE | San Diego, California

February 2019 - Present

Senior Software Engineer: Full Stack Software and Dev Ops

- Implemented tool for automated configuration assessment of GCCSM diagnostic tool using Spring and React
- Designed and implemented platform for remote application deployment (RAD) using Spring, React, Postgres, Docker
- Designed and implemented platform for tech assessments (SMART) using Go, React, Postgres, Docker
- Supporting (CSCAP) tool for UAX mission planning. Relevant technologies Python(Flask), Angular,Go
- Infrastructure support for Spectral project. Involved modifying Terraform, Ansible, Boto Python scripts.

Zeeto | San Diego, California

January 2018 - February 2019

Software Engineer: Full Stack: Java,Kafka, Gradle, NodeJs, ReactJs & Redux, PostGres, MongoDB

Design, implement and deploy new features to (ZAN) Zeeto Ad Network. New features were added to ZAN following a merge into their respective git repo, and passing through a three stage continuous integration pipeline. Engineers were responsible for writing Unit, Acceptance, Integration and Load tests and running these tests for anything that was going to be merged into production. Below are some of the main languages/ frameworks that I worked in day to day.

Backend Languages and Libraries:

Java Libraries : Spring, Kafka, Hibernate, Jooq, Webflux, Junit 4

Frontend Languages and Libraries:

ReactJs/Node: Redux, Lodash, Enzyme, i18n, Chai

Database:

Postgres, MongoDB

Container Management:

Kubernetes, DC/OS Mesosphere

Cloud Technologies/Continuous Integration:

EC2, S3, SQS, Jenkins, Ansible

Professional Reference: Matthew Ferguson | CTO | matthew.ferguson@zeetogroup.com

BAE Systems | San Diego, California

Jan 2017 - December 2017

Cloud Infrastructure Engineer: Full Stack: C#, Java, Camel, Apache Karaf, Jetty, ReactJs, NodeJs, AWS, ELK Stack, Docker, React

- General back end maintenance of GXP Platforms service infrastructure (Java, Camel, Karaf)
- Developed C# middleware to automate cloud deployment (C#, AWS .NET SDK, Cloud Formation)
- Development of scripts that will automate steps in the deployment of our software product on AWS (PowerShell, Bash, AWS, Cloud Formation)
- Adapting frontend and backend code to operate on a distributed cloud stack (Java, Camel, Javascript, NodeJs, React)
- Development of gawk parsing rules to accommodate changes to the backend/frontend infrastructure (ELK)
- Design and implement distributed configuration of Java infrastructure (Docker, AWS, Java, Cloud Formation)
- Convert Backend Java into AWS Lambda Service (AWS Lambda)

Professional Reference: Steven Bonica | GXP Cloud Manager| steven.bonica@baesystems.com

LightStanza | Boulder, Colorado (Contract)

August 2016 - November 2016

Software Engineer: Full Stack: MongoDB, NodeJs, React, HTML, JavaScript, Github

- Maintain and develop Java back end running LightStanza software
- Responsible for design and implementation of cloud based architecture for application update (AWS, Docker, Java)

Corell Lab | Boulder, Colorado

May 2016 - July 2016

Research Associate/ Software Developer: Python, Embedded C

- Designed and implemented an algorithm for distributed average consensus of a histogram (Python)
- Re-implemented the original algorithm in embedded C on autonomous droplet robots (Embedded C)

RXIT Software Solutions | Longmont, Colorado

June 2014 - February 2015

Software Engineer: C#, LINQ, SQL Server, MVC, Javascript, HTML, CSS, ASP.NET, Angular 2+

- General Backend/ Frontend development (ASP.NET, LINQ, .NET MVC, HTML, CSS, JavaScript, SQL Server)
- Development of Machine Performance Dashboard (Java, .NET MVC, Razer, Telerik)
- Development of Serial Printer Application (.NET/C#)
- Development of PDF generating Application (.NET/C#)

Hoeffler Lab | Boulder, Colorado

August 2013 - May 2014

Research Associate/ Software Developer/ IT: Python, MATLAB, RTD

- Aided PI in setting up signal processing system using RTD Signal Processing System
- Piped output of signal processing system into MATLAB for further analysis
- Waveform analysis using Fast Fourier Transformation in MATLAB

BURST Research Grant | Boulder, Colorado

August 2012 - August 2013

Research Associate/ Software Developer / IT : Python

- Conducted research on the chemotherapeutic effects of taxol
- PCR, Gel electrophoresis, microdosing assays, DNA-seq, RNA-seq
- Processed sequencing data and analyzed potential regions of interest