

# MUSA JUNDI

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## LANGUAGES / TOOLS

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Proficient with: Java (Spring), Python, JavaScript (Angular/React), CSS, HTML  
Familiar with: NoSQL (DynamoDB / MongoDB), SQL (RDS / Postgres)  
Certifications:: AWS Cloud Practitioner, AWS Solutions Architect - Associate

## EXPERIENCE

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### State Farm

*Software Engineer II*

Spring / Angular / CSS / HTML / REST APIs

July 2020 - Current

- Started as a Software Developer on a team that owns the apps used by our auto-insurance policy holders. I've been promoted twice within this team since I started in 2020.
- Deliver performance improvements and bug fixes to our back-end apps written in Java, including the automation of several customer-facing flows (e.g. replacing a vehicle on an insurance policy).
- Migrate the features that use a Java-based UI to Angular. This involves creating new REST API endpoints within our Java application, and the creation of new web pages using Angular.
- Improved the regression test automation by creating scripts that leverage the Postman CLI to run through hundreds of API calls, reducing the time needed to verify the API endpoints from several hours (manual testing) to just minutes.
- Mentoring interns, as well as leading AWS study groups for peers who are seeking AWS certifications.
- Improve our pipelines for deployment by migrating them from the Jenkins platform to Gitlab. In the best cases, the pipelines ran in just 1/10th the time after the improvements were made.
- Improved the in-code (JDoc) and out-of-code (wiki) documentation for our apps and common procedures.

### Freelance

*Web Developer*

HTML / CSS / React / MongoDB

2014 - 2019

- Built basic static pages and dynamic web apps for small businesses
- Worked with a designer who created the UI assets and mock-ups, while I handled the implementation.

### Bioinformatics Lab, Dept. of CISE, UF

*Bioinformatics Researcher*

Python / Bash / SLURM

Aug 2017 - Aug 2018

- Wrote programs to produce simulated metagenomic datasets
- Worked in the high-performance computing remote cluster environment, and develop scripts to facilitate its use for other lab members
- Discovered and tested competing tools, including the development of protocols for evaluating the performance of these tools on very large datasets (hundreds of millions of rows)

### Neural Stem Cell Lab, Dept. of Neurosurgery, UF College of Med.

*Research Assistant*

ImageJ / Python

Feb. 2013 - Jan. 2015

- Created scripts to automate the transformation of data and analyze processed images
- Trained several research assistants on several microscopy and histology protocols

### Dept. of Engineering Education, UF College of Engineering

*Teaching Assistant (COP2271, C++)*

C++

Aug 2013 - July 2014

- Held office hours for students who needed in-person help with study, assignments, preparing for exams, etc.
- Implemented unit tests for grading assignments and projects

## EDUCATION

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### University of Florida

BA (partial) Biology

Gainesville, FL

Jan. 2013 - Dec. 2017

### Valencia College

AA General Studies

Orlando, FL

Aug 2011 - Dec. 2012

## PROJECTS

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**OTM Dispatch Site & Dashboard** *React, Node, Strapi, CSS*

[otmdispatch.com](http://otmdispatch.com)

A static site built for a logistics and transportation company based in Orlando, FL. It features a mobile-friendly, responsive UI, and is paired to a headless CMS for convenience and security.

**Bioinformatics Toolkit** *Python, Bash, Slurm*

<https://github.com/mujundi/bioinformatics-util>

A collection of scripts and tools developed for a bioinformatics lab at the University of Florida. It includes programs for queueing jobs on the HPC clusters, beginning-to-end pipelines for running tools with many required intermediate steps, and producing simulated datasets.