

Leon-Hunter-Public-Portfolio

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Senior Cloud Native Application Developer

Junior Cloud DevOps Engineer

About

Contact Information

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 - <https://curriculeon.github.io/Curriculeon/courses/new-content/>
- **LinkedIn:** <https://www.linkedin.com/in/leon-hunter-3230408b>
- **Github Organization Ownership**
 - <https://github.com/curriculeon>
 - <https://github.com/git-leon>

Education

- Delaware State University (2011 - 2015)
- Bachelor of Science (BS)
- Computer Science Major, Mathematics Minor

Summary

Experienced T-shaped Engineer and Technical Instructor with a demonstrated history of managing and up-skilling teams of Junior engineers. Highly skilled in Cloud Native Application Development using Java8, Spring, Mockito, and Angular cumulating more than [2500 total Git contributions in the past year](#). Knowledgeable in Cloud Dev Ops using unittest, JUnit5, Selenium, Docker, Kubernetes, Jenkins, and AWS. Strong information technology professional with a Bachelor of Science (BS) focused in Computer Science, Mathematics Minor from Delaware State University.

Personal Projects

Owner and Creator

Curriculeon: The Online Coding Curriculum

- Curriculeon is an online curriculum built in [RevealJs](#), [Jekyll](#), and [Github Pages](#), which offers free open-source learning content for the following topics:

- Java Web Development
- Command Line Scripting
- GitCli
- HTML/CSS/JS
- Python Scripting
- Cloud Computing & Cloud Infrastructure
- Development Operations - (DevOps)

Owner and Creator

Leonium.jar: A Selenium and ExtentReport Wrapper Library

- Leonium is an [uber jar](#) deployed on [packagecloud.io](#) that is used to automate Selenium build configuration and script development.
- The library includes an [embedded .jar](#) used for dynamically downloading driver binaries
 - This allows this framework to run `GeckoDriver`, `ChromeDriver`, `PhantomDriver`, `HtmlUnitDriver` without downloading any external dependencies
- The library also includes mechanisms for
 - enabling logging for each web-interaction
 - enabling reporting using [ExtentReports](#) for aggregating results
 - helper classes with built-in intelligent-waits

Owner and Creator

OpenCVL.jar: An OpenCV Wrapper With Haar Cascade Machine Learning

- OpenCVL is an [uber jar](#) deployed on [packagecloud.io](#) that is used to ease implementation of Object Detection Algorithm by leveraging OpenCV and HaarCascadeClassifiers.
- The library includes mechanisms for
 - a factory class for dynamically fetching haar cascade classifiers
 - face detection interface
 - default face detection implementation with CascadeClassifier dependency injection support
 - face detection builder class
 - face detection factory class

Owner and Creator

JFoot.jar: A Greenfoot Wrapper Library

- Jfoot is an [uber jar](#) deployed on [packagecloud.io](#) that is used to make Greenfoot applications with Maven.
- The library includes mechanisms for
 - converting greenfoot applications to maven applications
 - helper interfaces for building games
 - small gravity physics engine

Owner and Creator

ExceptionalFunctionalInterfaces.jar: A decoration of Java8 FunctionalInterfaces

- [Exceptional Functional Interfaces](#) is `.jar` deployed on [packagecloud.io](#) that is used to express code that explicitly throws an **Exception**, without ever explicitly handling it by deferring the **try/catch** to the respective **FunctionalInterface**'s static **tryInvoke** method.
 - With the advent of [Java 8 Lambdas](#) and [Method References](#), functional programming in java has become increasingly popular. Unfortunately, Java 8 does not account for creating lambda expressions which may throw an **Exception**. This shortcoming has caused a great deal of frustration when developing an exceptional-codebase which should be expressed functionally rather than with object orientation. This library aims to help remedy the deficiencies of exceptional expressions in Java 8 functional programming.
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Experience:

Senior Technical Instructor

ZipCodeWilmington; Wilmington, DE.

May 2021 - Present

- Deliverables include, but are not limited to, the following:
 - Support and lead instructor-led training that prepares students for entry-level careers as a Software Engineers/Developers or as Data Engineers
 - Demonstrate and provide experience with
 - Database management systems, SQL commands, functions, joins, subqueries, and other advanced SQL concepts
 - Full Stack Development with Java8+, JDBC, NodeJS, ReactJS, AngularJS, ExpressJS, JPA, Spring MVC, Spring Boot and the like
 - Object-oriented programming, algorithms and data structures
 - Review and debug software code
 - Maintain and update the company's internal LMS with student grades, lab results, testing scores and progress notes
 - Support and maintain the training curricula, syllabi, lesson plans, and any other classroom materials
 - Write content and curriculum related to instructional outcomes, as needed
 - Communicate complex engineering concepts and explain them in an engaging way, as needed

Techpreneur Incubator Lead

ZipCodeWilmington: Techpreneur Incubator Course

March 2021 - May 2021; Wilmington, DE.

- Deliverables include, but are not limited to, the following:
 - weekly meetings with techpreneur consultants
 - identification of resources to assist techpreneur consultants with technical development of their products
 - advice, analysis, feedback, and assistance with product development

Remote Lead Technical Instructor

Discover Financial

June 2015 – August 2015; New Castle, DE.

- Implemented BEST QCAS Access Database.
- Manual web tester and bug reporter.
- Implemented Microsoft Word and Excel macros using VBA to partially automate test reporting.

Programming Tutor

Delaware State University

January 2015 – May 2015; Dover, DE.

- Aided learners with completing projects developed in python & java.
- Assisted with understanding of programming logic.

Undergraduate Researcher

National Science Foundation (NSF)

May 2013 – May 2014; Dover, DE.

- The objective of this research was to develop a system that would aid in the prevention of catastrophic medical events through persistent intelligent monitoring and early-warning alerting.
- Created interactive electronics using Arduino open-source prototyping platform.
- Coded in C++ to manipulate Arduino microcontroller and eHealth sensor shield.
- [Presented research](#) for 2014 Science and Math Investigative Learning Experiences Program (SMILE) Undergraduate Summer Research Symposium.
- Presented at 2014 ERN (Emerging Researchers National) conference.

Programming Tutor

Delaware State University

January 2013 – May 2013; Dover, DE.

- Aided learners with completing programs developed in java.
- Assisted learners with conceptualizing and understanding programming logic.