# Trant Batey

**Web Development Instructor**
**Sr. Java Software Engineer**

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San Antonio, TX

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## Web Development Instructors

### Dev: 30 yrs | Java SE: 15 yrs | Python: 2 yrs | Web Dev: 2 yrs | Edu: 8 yrs

**Skill Set:** Java, Spring Boot, Maven, JavaScript, CSS, HTML, Bootstrap, Python, REST API's, C/C++14, Django Unix/Linux, Bash, JUnit, Swing, XML, Tomcat, Wildfly, Servlets, JSP & JSTL, SQL (Sybase, DB2, Oracle, Postgres, MySQL), MVC, ECB,  HP Fortify

## Professional Experience

**October 2019 - Present**                     **Codeup, San Antonio, TX**
**Web Development Instructor**
As a Full Stack Web Development Instructor for the premiere career accelerator school in Texas, I am teaching students how to use Java and Spring Boot in developing websites. The technology stacks includes HTML5, CSS, Bootstrap, JavaScript, SQL, JPA, and Hibernate. I am qualified to teach any element of the curriculum.

- Directed the final Capstone Project
- Supported the final Capstone Project
- Taught MySQL
- Taught Spring Boot (Controllers, Views, Repositories & JPAs, Relationships, Form Model Binding, Services, Spring Security, and SpringRunner Unit Test)
- Taught Java III (Servlets, JSP & JSTL, MVC, Sessions and Cookies, JDBC, User Input, and Passwords)
- Developed a set of practice Java exercises

**May 2019 - June 2019**                     **Triple Crown Consulting, Austin, TX**
**Senior Software Engineer**
On a one month contract, I worked Creating a cellular IoT network to monitor and control manufacturing devices using Hologram.io's cloud infrastructure, Python 2.7, Python Rest API's, and Postgres. I completed the contract a week early.

**Feb 2019 – April 2019**                     **Multi Media, LLC. Austin, TX**
**Principal Software Engineer**
In support of a video streaming application, I Converted and debugged a Mac deployment wiki to include Linux for a Python Django website using JavaScript, TypeScript, and Postgres. Additionally, I Identified how to find the bit rate for a broadcaster's upload link in order to test for sufficient bandwidth.

**May 2018 – Dec 2018**                               **USAA, San Antonio, TX**
**REST API Micro Services Developer**
Working in an Agile development team, I developed REST API micro services to implement an internal authorization application. The technology stack included Java, SoapUI, Postman, JPA on Hibernate, Docker, Gitlab, and OpenShift.

**July 2016 – May 2018**                               **CACI Inc., Federal, San Antonio, TX**
**Senior Software Engineer**
Serving as Scrum Master and Developer on an Agile team, we developed a Java Swing front end to a set of C++ wartime simulation engines to use for Air Force training. The tech stack included Java, Swing, Python, C++97, and C++11.

● Converted a set of Python command line scripts for route calculation to a unified Java 8 Swing application. Included Dijkstra and Knuth algorithms for best path and nearest point calculations. Used Java Collections TreeMap and TreeSet for efficiency.

● Using Java, developed a shapefile reader that read road files and converted them into a datagraph for efficient processing.

● Using the Java SAX XML parser, the shapefile reader was adapted to produce and read XML versions of the shapefiles.

● Developed IP socket reader in Java to get messages for legacy C++ applications and translate the messages into Java structures. The process was developed to work independently of platform and endianness.

● Developed a unified Java 8 Swing GUI to replace the legacy GUI on nineteen (19) separate legacy C++ application.

● Incorporated NASA World Wind as the mapping tool for the Java application unifying the nineteen (19) existing C++ Applications.

● Introduced and implemented an Agile Scrum development process. The new process is greatly increasing productivity throughout the division.

● Using JUnit, developed and implemented rigors unit test for the new applications. Every line of code that did not require user input was is tested.

**October 2015 – July 2016**                               **Radiance Technologies, San Antonio, TX**
**Cyber Software Engineer**
Working with an Agile team from Radiance, we provided the tools and specialized capabilities needed for the Cyberspace operations of the 90th IOS, USAF, Lackland AFB.

● Using Python/Django, I developed a software provisioning tool that installed classified application onto a hard disk for Cyberspace and counter Cyberspace use in theater.

● Developed a suite of increasingly sophisticate C++ application for use in training reverse engineering.

● Developed a suite of C++ programming task to train and test engineers.

● Developed Visual Studio C++ Unit test to verify the students' results.

**November 2014 – September 2015**          **US Army Institute of Surgical Research,**
                                            **BAMC/SAMMC, San Antonio, TX**

**Biomedical Software Engineer**
While working at the Brooks Army Medical Center, I help to develop an application to assist physician's in treating critically injured patients using data analysis from past patients to predict the results od possible treatment given the same symptoms. The technology stack included JAVA, PHP, and Oracle SQL.

**November 2011 – October 2014**          **Accenture AFS, San Antonio, TX**
**Senior Software Engineer**
While working on a contract with a major client, I support a securities trading application trading and developed various tools as needed to support the client. I was also the principal engineer in writing the program to move the entire trading data base from the clients data model to a Blackrock data model. My work at Accenture included using C++97, Java 7, Bash shell scripting, Sybase, and Oracle.

**June 2011 – November 2011**          **Austin Driving School, Austin, TX**
**Software Engineer**
While between positions, I worked on a speculative contract to write a website for Austin Driving School. The tech stack included Java EE 6, JSF, JSP,  and MySQL on a Linux server with Tomcat Apache.

**December 2008 – May 2011**          **GTECH Corporation, Austin, TX**
**Software Engineer**
While support GTech's instant tickets infrastructure for the lottery industry, I developed stored procedure, devised processing algorithms developed GUI interfaces for lottery personnel to use in administering the lotteries for the perspective states and jurisdictions. The technology stack included C, Sybase, BD2, UNIX, and VMS.

**August 2005 – June 2008**          **Waller High School, Waller, TX**
**Video Technology and Computer Science Instructor**

While at Waller, I initially taught three different levels of Computer Science to high school students. We used Java as our programming language. With time, I also moved into teaching video production.

**November 2001 – August 2005**          **Austin Driving School, Austin, TX**
**Driver's Education Instructor**

At Austin Driving School, I Managed an office and taught classroom and in-car Driver's Education.

**May 1988 – November 2001**          **Landmark Halliburton, Austin, TX**
**Software Engineer**
As a Software engineer at Landmark, I designed and developed geological mapping and modeling, software for use in petroleum exploration and production. We used C/C++, SQL, UIL, and Motif; running on Solaris, AIX, and SGI Workstations.

**January 1987 – December 1987**          **OAO Corporation, San Antonio, TX**
**Programmer/Analyst**
While working on an Air Force contract for OAO, I used Pascal and FORTRAN to support a research project involving laser hazard evaluation.

**January 1985 – May 1986**          **Texas State University, San Marcos, TX**
**Graduate Assistant, College Math Instructor**
While working on my Master's Degree, I Taught an introductory College Mathematics course.

# Education

**Masters of Science in Computer Science and Mathematics, 3.81 GPA**
**1986 - Texas State University, San Marcos, Texas**
**Received a Certificate of Excellence in Computer Science**

Oracle Certified Associate Java SE 7 Programmer: OC1191209
ScumAlliance certified Scrum Master: 000495659