

SOME OF THE TECHNOLOGIES AND TOOLS I HAVE WORKED WITH

Cloud: AWS, Heroku, Pearson Bitesize (Hybrid AWS, GCP), Cloud Foundry.

Containers: Docker, Kubernetes.

CI/CD: Jenkins, Concourse.

SCM and Build Tools: Git, Bitbucket, Maven, Gradle, Subversion, ClearCase.

Visualization: Prometheus, Grafana.

OSs: UNIX (AIX, Solaris, BSD), Microsoft, Linux, Mac OS.

Languages: PHP, Python, Java, Kotlin, Groovy, JavaScript, TypeScript, C, C++, Perl, SQL, HTML, Emacs Lisp, Dart.

Frameworks: Laravel, Spring (Spring Boot, Spring Cloud, Spring Security), Angular, React.

Web Services: REST API, SOAP, WSDL, SOA.

Databases/ORM: MySQL, PostgreSQL, DB2, Oracle, Hibernate, MongoDB.

Testing: JUnit, Cypress, Jest, Enzyme, Apache JMeter, SoapUI.

Methodologies: Agile (Scrum, Extreme Programming), Waterfall, TDD, BDD.

APIs and Tools: OAuth2, Swagger, Firebase, Stripe(payments).

Bug Tracking: Jira, Remedy, Pivotal Tracker.

Mobile: Apache Cordova, Ionic, Flutter.

EXPERIENCE

BOULOU SERVICE LLC – Boston, MA

Software Engineer

October 2022 – June 2024

- Design, development, integration and testing for Boulou Service's vehicle marketplace platform (mobile, API, and web).
- Implementation of web administration dashboard with Laravel 9 PHP.
- Implementation of backend API with Laravel 9 PHP.
- Developed frontend mobile solutions for Customer/Provider for iOS and Android with Flutter implementing the BloC Pattern for state management.
- Deployed Laravel backend to AWS (EC2).
- Decoupled of monolith into a services: app, Postgres and MySQL.
- Containerization of services with Docker for AWS Lambda deployment.
- Integrated OAuth2 for authentication.
- Integrated Customer/Provider/dashboard with Stripe for payment processing using flutter_stripe and Laravel Cashier.
- Push notifications with firebase and apple push notifications.
- Developed python scripts for vehicle marketplace data acquisition: providers reviews, provider
- Integrated platform with the NHTSA Product Information Catalog Vehicle Listing (vPIC) Application Programming Interface (API) for vehicle module and search vehicle by VIN.

UNIQUE SYSTEMS SKILLS – Boston, MA

Data Science with Python/AWS/DevOps

April 2022 – September 2022

- Acquired Python programming skills and Microsoft Python Certificate.
- Trained in Data Science with Python and AWS DevOps.

KESSEL RUN - ALTOROS – Boston, MA

Full Stack Developer

May 2020 – October 2021

- Extreme Programming.
- Developed cloud-native solutions for F-35 aircraft squadron scheduling.
- Backend development using Kotlin, Java, Spring Integration, and Spring Cloud Contract.
- Frontend development with React-Redux.
- Employed Docker for container management and Concourse Pipelines for CI/CD.
- Conducted Test Driven Development and utilized Cypress, Junit, Jest, and Enzyme for testing.

PEARSON – Boston, MA

Sr. Java Developer

Dec 2018-August 2019

- Redesigned Pearson Writer's architecture to a containerized microservices architecture.
- Developed microservices with JHipster, deployed on Pearson's hybrid-AWS Kubernetes platform.
- Created and deployed front-end applications using Vue.js and Angular.

NORTHEASTERN UNIVERSITY – Boston, MA

Integration Developer for Mobile Development

December 2014 – July 2017

- Developed mobile applications with Apache Cordova/PhoneGap, NodeJS, JavaScript, TypeScript, Angular, and Ionic.
- Created web applications for mobile app administration with Groovy and Grails.
- Developed PL-SQL procedures to expose as REST API functionality.

OTHER EXPERIENCE

(Condensed for brevity. Details available upon request.)

- **Institute for Health Metrics** – Java Developer (Nov-Dec 2014)
- **Nextgen Invent Corp** – Java Developer (Sep-Oct 2014)
- **Infosys** – Java Developer (Mar 2012-Oct 2012)
- **Santander Bank** – J2EE Analyst (Aug 2010-Sep 2011)
- **TdA** – J2EE Developer (May-Jul 2010)
- **Department of Treasury** – Java Developer (Jun 2009-Mar 2010)
- **Orsys Consulting** – Java/J2EE Developer (Mar 2008-May 2009)
- **HealthcareTek** – Senior Programmer (Jul 2007-Mar 2008)
- **Preferred Health** – Java Developer (Sep 2006-Jul 2007)
- **FirstPoint Health Group** – Java Developer (Jan 2005-Aug 2006)
- **Gauss Research Lab** – Programmer (Aug 1998-Dec 2004)

EDUCATION

Bachelor of Science in Computer Science

University of Puerto Rico, San Juan, PR

National Science Foundation Computer Science, Engineering, and Mathematics Scholarship Award (CSEMS) NSF 00-85

COURSES AND TRAINING

- AWS DevOps - Unique Systems Skills (2022)
- Data Science with Python - Unique Systems Skills (2022)
- Python – Unique Systems Skills (2022)
- Kubernetes DevNation Master Course (2021)

- Microservices with Spring Cloud by Ken Krueger
 - Master Java Web Services and REST API with Spring Boot by In28Minutes
 - Automate the Boring Stuff with Python Programming by Al Sweigart
 - Mongo DB for Java Developers
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REFERENCES

- Available upon request