

# James Brighter

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## Experience

### SOFTWARE ENGINEERING CONTRACTOR | REVATURE INC | JAN 2016 - PRESENT

- Java EE and AngularJS web app development at Department of Homeland Security – United Status Citizenship and Immigration Services.
- Actively develop and test features on the Electronic Immigration Service (ELIS) site using Java, Hibernate, Spring (container, dependency injection, AOP, and REST endpoints), AngularJS frontend, Oracle SQL, and JUnit test framework.
- Implemented multiple AngularJS directives for displaying and resolving TECS background check data.
- Architecture and development on new TECS Checks microservice using Spring Boot with Hibernate and PostgreSQL, build with Gradle and deployed to a Docker container in AWS via Terraform. Created bash and Groovy scripts in Jenkins to manage build and deployment jobs. Will continue architecting and developing future microservice efforts.
- ActiveMQ Dead Letter Queue cleanup, involving NodeJS scripting to analyze and appropriately handle failed messages.
- Production support efforts including ELIS case analysis and manual intervention to resolve problems, mostly relating to TECS background check issues.
- Prototyping new technologies for future use in the project, including Confluent Kafka platform and RedHat OpenShift for microservice deployment and management.

## Education

### BACHELOR OF ARTS | 2015 | UNIVERSITY OF PENNSYLVANIA

- Major: Psychology and Computer Science
- Related coursework: Object Oriented and Functional Programming, Operating Systems, Software Engineering, C/C++ Programming, Artificial Intelligence, Algorithms and Data Structures, Statistics

## Other Projects

### PHOTODUMP.XYZ | 2015 – PRESENT

- Image dump website that allows posting and retrieving of images. Uses AngularJS for frontend and Java Spring Boot for backend. Uses Hibernate to manage storage in PostgreSQL database. Deployed using Docker in an AWS EC2 instance. Includes an admin console for direct management of database.
- Available on <http://photodump.xyz>

### ICARE | 2015

- Issue tracking system at Revature automating escalation and resolution of issues. Developed with Java and Spring, using an AngularJS frontend and providing REST and SOAP APIs.

### BRICKBLASTER 6000 | 2015

- iOS game that pits the player against an asteroid bombardment in space. Made with Cocos2D and Objective C. Class project.

### TESORIO INVOICE ANALYTICS | 2015

- A web app for Tesorio LLC that allows for invoice data analysis to better predict when invoices should be paid. Written in Python with a Mongo database. Class project.

## **Skills & Abilities**

### **PROGRAMMING**

- Java, JavaScript, jQuery, AngularJS, NodeJS, HTML, CSS, Python, C/C++. Some familiarity with iOS, Android, and Ruby on Rails.

### **TOOLS**

- Git, Eclipse, Bash, Batch, Gradle, Docker/Docker Compose, ActiveMQ, Emacs, Vim, Jenkins (Groovy and Bash), Terraform, AWS, Xcode, Android Studio. Limited familiarity with RedHate OpenShift, Confluent Kafka platform.

### **DATABASES**

- Oracle SQL and PostgreSQL.

### **OTHER**

- Test-driven development, agile methodologies including Scrum and Kanban, service-oriented and microservice architectures, RESTful APIs.

References available on request.