

# Mike Baranski

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Location	Contact
Raleigh, NC USA	mike.baranski@gmail.com (919) 219-0032 <a href="http://mikeski.net">mikeski.net</a>

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I am an IT professional who enjoys working in a variety of roles, particularly software development. I like software development, system administration/integration, and challenging problems. I am comfortable in a dev-ops role, performing support/analyst tasks, and interfacing with clients.

## Technologies

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Languages	Libraries/Frameworks	Other
Java (SE and EE)	Struts 2, Spring, Shiro	Django, Flask, Bottle
Python, Ruby	Java EE, Hibernate, JPA, OrmLite	CakePHP, HTML/HTML5
Javascript	Tomcat, Jetty	Git, SVN, CVS
PHP	Eclipse, Maven, Ant, Ivy	MS SQL, Informix, PostgreSQL
SQL	jQuery/jQuery UI, Angular JS	MySQL/MariaDB, SQLite, HSQL
c/c++	Bootstrap JS	Linux (RHEL, Ubuntu), IBM AIX
Lisp, Perl, Shell	JUnit, Mockito	Windows 7, 2008 R2 Server

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### Other

- Pentaho BI Suite, Sedona Office, WeSuite WeEstimate, Elasticsearch, Logstash, Kibana
- AccessIT, Facility Commander, Picture Perfect, OnGuard, Avigilon, DVTel, CARMA for Picture Perfect
- SOAP, XML-RPC, REST (using XML and JSON), JMS, Stomp

## Employment

August 2015 - Present - The Maven Group

Software Developer. Contract developer for AT&T Managed Applications and Managed Hosting Services Unit

- Java EE development - Maintain and enhance public facing software applications in the consumer financial services sector. Participate in maintenance and new development cycles to enhance applications and correct defects
- Setup Jenkins CI server to automatically run daily regression test suites and generate reports
- Setup and develop ELK data warehouse and dashboards to allow management and clients to access “real time” BI reports and visualizations

### **October 2011 - August 2015 - Securadyne Systems**

Senior Support Engineer. Member of Professional Services Group providing advanced support to branch offices and customers of all sizes throughout the US

- Lead developer - custom software and integration development
- Database analyst services
- Project planning and consulting
- Technical evaluation of new products
- Support for physical access control, digital video systems, and ERP applications
- Site vulnerability surveys with regard to physical security
- Assist sales personnel and system engineers

#### **2014-2015: Engineering Request Forms**

Implemented an internal web-based tool to facilitate communication between sales and engineering staff. Engineering required a workflow that would allow requests to be submitted, approved, designed and accepted. The workflow needed to be simple, web-based, and allow reporting on performance indicators. The application was written using Spring MVC and Spring Data with a Bootstrap/HTML5 front-end running in a Tomcat container with a SQL Server repository.

#### **2012-2015: Invarios**

Lead development and implementation of a customized ETL tool for enterprise Access Control systems. The Java tool was based on Pentaho’s PDI application with custom steps that we developed. Plugins included a PDI step to transform images to a size and format appropriate for storage in Active Directory and a database update step that logged every change to a database record during an

update for auditing reports. This software was implemented at several enterprise client sites and is a part of the company product portfolio.

### **2013-2015: Company Timesheets**

Lead developer for a web-based timesheet system for the company. Implemented a timesheet system to allow all remote employees to enter timesheet data into our SharePoint site. This included a custom workflow to require management approval of time entries. Once time was approved by management, the data was then imported into a data warehouse and was available for import into the company ERP system. The SharePoint UI piece was written with JQuery/JQuery UI for the front-end and used SharePoint lists via the Javascript API for the data storage. The imported data was stored in a SQL server and the front-end was a Spring Web MVC application with an HTML5 front-end in a Tomcat container using OrmLite for data access.

### **June 2015: Service Ticket Portal**

Designed and implemented a cloud service ticket portal for a large national customer. Allows customer to enter service tickets online, and notify proper parties that a ticket has been created. The customer was using PDF forms to submit tickets, but could no longer support the PDF form and needed an alternative. This project was completed early and under the estimated budget. The technology used was Django/HTML5 and Postgre SQL served with Lighttpd and Gunicorn on an Ubuntu Linode instance. Setup a development and test environment and configured all production deployments to push via git.

### **Oct 2000 - Oct 2011: Security Management Consulting**

Software Developer and VP of IT

- Manage all IT infrastructure for small main office and a number of remote employees
- Lead software and integration development for Fortune 500 clients
- Database analyst services for customers
- IT and physical security consulting for customers
- Lead small industry trade group conferences
- Provide technical training courses for CEUs (SQL and UNIX/Linux workshops)

### **Incitrack**

Lead developer for a web based enterprise incident tracking system. Allows multiple users to create, update, track, or report almost any kind of incident, such as criminal acts, accidents, or work injuries. Included a robust reporting engine

allowing cross-cutting searches across all incident information. Database agnostic (tested with MySQL, Informix and SQL Server) with a MongoDB module for storing arbitrary documents and information from custom forms

### **CARMA for Picture Perfect**

Lead developer for a data warehouse and web-based reporting program for the GE Picture Perfect access control system. The database was designed to process tens of millions of transactions via a web based UI. This tool gave users an easy-to-use, non-technical interface allowing them to run reports on-demand while not affecting the production system. This not only reduced the load on the server, it removed the report generating responsibility from the system administrators and allowed stakeholders to run their own reports. The UI was written in PHP running on Apache's HTTPD server, the data import was written in C++ and the database platform was MySQL.

### **State of Florida DHSMV FUPAC Project**

The DHSMV in FL had a disparate access control system at each of its 12 deep water seaports. We were responsible for visiting each port, exporting all cardholder and image information from each system, and turning them over to GE for conversion to their new system. Once the new system was installed, we were responsible for patching the software and installing the peripheral devices for biometric enrollment of cardholders (passport scanners, fingerprint enrollment devices, and cameras). We also trained staff according to the enrollment process developed by the DHSMV.

### **1999 - Oct 2000: Celito Communications**

Network and PC technician for a variety of local Triangle area businesses

## **Other Projects**

### **September 2015 - Present - babysdigest.com**

Developed an online web/mobile friendly app for parents/caregivers to track diapers, food and naps.

- Java EE 7 running on RedHat Openshift using Wildfly web server and PostgreSQL
- JERSEY/Jackson REST services, JPA persistence, Apache Shiro security, and JUnit/Mockito for test coverage
- Angular JS front-end with Bootstrap CSS, Jasmine/Angular Mocks for testing
- CI environment using Git, Jenkins and SonarQube hosted in Docker containers

### **2015 - Present: Selenium/Jenkins integration environment**

Configured and maintained a Jenkins CI server that ran daily Selenium regression tests via a proprietary framework. Configured 8 different applications to run regression tests against DEV, MAINT, and 2 STG environments. Enhanced and maintained an application to generate a dashboard for Selenium test results.

**2015 - Present: Virtualize development environment**

Configure a Vagrant and Virtualbox setup using Docker to virtualize development environment and streamline new laptop configuration.

## Education

1999 **Associate in Science**; Brevard College (Brevard, NC) *Cum Laude*

2001 **BSc, Computer Science**; North Carolina State University (Raleigh, NC)