

# AARON BISHOP

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## TECHNICAL SKILLS:

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- **Languages:** C#, CSS, HTML, Java, JavaScript, SQL, Typescript
- **Frameworks and Technologies:** Angular, GWT, JQuery, Junit, Spring, Express, Protobuf, Leaflet, Docker, JSON, AWS, Servlets
- **Operating Systems:** CentOS, FreeBSD, Linux, Mac OS X, VMware, vSphere, Windows
- **Application Servers:** Apache Tomcat, Wildfly, JBoss
- **Databases:** MySQL, Oracle, MongoDB
- **Tools:** Acrobat, Cygwin, Dreamweaver, Eclipse, Flash, Git, Jenkins, MS Office, ReviewBoard, Tortoise SVN
- **Additional:** Agile SCRUM, CMMI, CI/CD, SDLC

## EXPERIENCE:

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### Senior Software Engineer

#### Carilion Clinic

10/2017 - 02/2025

- Lead the modernization of DOM processing, updating Angular versions, and modifying the UI for an aging Angular application. Supported on-prem server maintenance to ensure high up-time, sound security, and performance monitoring. Updated existing applications to current versions of Java. Designed and implemented full Java web applications for various departments. These applications were needed to facilitate efficiency, ease of use, and protect PHI/PII.
  - Java 8+
  - Angular 12+
  - Express - Back end data handling and server communication via SOAP
  - MySQL, Oracle

#### ACI

09/2017 – 04/2019

- Acted as a team lead for the rewrite of internal and public facing applications for the ATF. The original applications were written in Oracle and had to be reverse engineered into a modern web based applications. The gun ownership data was highly legally protected creating unique problems to solve. Responsibilities spanned the full stack, as well as creating accurate and easily digestible requirements based on the reverse engineering process, and superuser knowledge, for both developers and clients. Spearheaded re-architecting process after initial design failed to be effective.
  - AWS - Migration of all ATF data and infrastructure to MySQL databases, and a full cloud deployment utilizing AWS features and OpenShift.
  - AngularJS 6&7 - Front end designed in TypeScript
  - ProtoBufJS - Contracts between front and back ends
  - ExpressJS - Back end data handling and server communication
  - MySQL
- Android application for a pet supply company. Responsible for front and back end development of the mobile application. Also responsible for developing and maintaining a web service/admin web application written in Java that interfaced with a MongoDB noSQL database. The web service and web based admin application were deployed to AWS.
  - AWS deployment utilized load balancers, elastic IPs, network security, and data storage
  - MongoDB
  - Spring Framework
  - Android application written in Java 8

## **Harmonia**

**07/2014 - 08/2017**

- Key driver for the Performance Measurement and Analysis Tool (PMAT) / Virtual Data Access Framework (VDAF). PMAT/VDAF will allow integration of real-time and archived data streams from multiple sources for virtual access by transportation agencies within a region. Responsible for the creation of a user interface that pulled together multiple data sources and allows for unified analysis of the data; also worked on the back-end that aggregated data sources and made them available with a REST API.
  - Application written in Java 7 with GWT
  - Maps utilized Leaflet and OpenStreetMap
  - REST API

## **Student Developer Radford University**

**08/2013 – 06/2014**

- Worked on a Radford Exam Schedule Application student project. A personalized exam schedule complete with locations, times, study tips, and directions to the building where the exam is being held.
  - Designed and implemented GUI components
  - Wrote requirements documentation
  - Filled project manager role
  - Interacted with the client
  - Technologies: JQuery Mobile, HTML 5, CSS, Java Servlets, Java

## **Service and Beverage Manager Outback Steakhouse**

**05/2005 – 04/2010**

- Responsible for the restaurant during his shifts. In regard to spending/purchasing, his focus was primarily Front of House operations (food, beverage, liquor, labor).
  - Installed handheld POSI systems in North/South Carolina region
  - Supported proprietors in tailoring the software to their specific needs
  - Conducted classes educating the staff at each location
  - Provided technical assistance when system failed or contained bugs

## **EDUCATION AND CERTIFICATIONS:**

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- B.S., Computer Science – Radford University, 2014 (Minor in Security)
- A.A., Liberal Studies - Valencia Community College (Orlando), 2002

## **CERTIFICATIONS:**

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- NSA 4011 & 4013E
- Cisco CCent