

AARON BISHOP

Senior Software Engineer

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PROFESSIONAL SUMMARY

Full-stack Senior Software Engineer with 10+ years of experience in healthcare, government, and enterprise software. Proven expertise in Angular, Java, and AWS with a track record of modernizing legacy systems, improving UI/UX, and deploying secure, scalable applications. Skilled at leading teams, driving cloud migrations, and delivering solutions that balance performance, security, and compliance.

EXPERIENCE

Senior Software Engineer — Carilion Clinic

2019 – 2025

Modernized Angular applications and improved UI/UX across healthcare systems.

Maintained on-prem server infrastructure ensuring security and high availability.

Designed and implemented secure full-stack Java applications for multiple departments.

Software Engineer (Team Lead) — ACI

2017 – 2019

Led rewrite of ATF applications into Angular/Express/AWS architecture.

Migrated sensitive data and infrastructure to AWS cloud with strict compliance.

Developed Android mobile + Java backend app deployed on AWS.

Software Engineer — Harmonia

2014 – 2017

Developed PMAT/VDAF platform for transportation data integration and visualization.

Implemented REST APIs and front-end data visualization with Leaflet maps.

Contributed to NavyPal (mess hall software), adding C# features and Windows installer.

Student Developer — Radford University

2013 – 2014

Built personalized exam scheduling application with study tips and navigation.

Served as project manager and requirements lead for student project.

PROJECTS

Healthcare Web Modernization — Modernized Angular apps at Carilion Clinic, improving performance and PHI/PII security (Angular, Java, Oracle).

ATF Application Rewrite — Led rewrite of ATF applications into Angular/Express/AWS architecture (AngularJS, AWS, MySQL).

Pet Supply Mobile App — Built Android app with Java backend and MongoDB on AWS (Android, Java, Spring, AWS).

PMAT / VDAF Platform — Created integration tool for unified access to transportation data (Java, REST API, Leaflet).

NavyPal — Contributed to modernization of US Navy mess hall software with C# features and Windows installer (C#, Government).

EDUCATION

B.S. Computer Science — Radford University, 2014 (Minor: Security)

A.A. Liberal Studies — Valencia Community College, 2002

CERTIFICATIONS

NSA 4011 & 4013E

Cisco CCENT

SKILLS

Languages: C#, Java, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks: Angular, Spring, Express, GWT, Junit, JQuery, React

Cloud & DevOps: AWS, Docker, CI/CD, Jenkins

Databases: MySQL, Oracle, MongoDB, PostgreSQL

Other: Agile SCRUM, System Design, Security (NSA 4011/4013E), CMMI