

Luke S. Bowman

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Software Developer and Cloud Architect Profile

- Professional software developer on U.S. Air Force sensors projects.
- Systems architect and developer for Sensor Open Systems Architecture (SOSA) consortium.
- Active Amazon Web Services Certified Solutions Architect Associate and Security+ credentials.
- Years of full-stack coding experience in a variety of languages—Java focus.
- Seeking position in Montreal and career advancement as a programmer and architect.
- Earned two CIS college degrees in addition to bachelor's and master's degrees in humanities.

Education

Associate of Science, CIS – Software Development, 4.00 GPA **August 2017**
Sinclair Community College, Dayton, OH

Associate of Science, CIS – Web Development, 4.00 GPA **August 2017**
Sinclair Community College, Dayton, OH

M.A. - English, Literature, 3.93 GPA **May 2013**
University of Dayton, Dayton, OH
Graduate Teaching Assistant and Writing Consultant

B.A. - English, 3.70 GPA **May 2011**
University of Dayton, Dayton, OH
College Leadership: Neighborhood Fellow, Community Staff Leader, & Resident Assistant

Technical Skills / Experience Areas / Certifications

AWS Certified Solutions Architect Associate	Security+ Certified
Java, EJB, C++, PHP, Python, SQL, Bash Scripting	Eclipse & Maven, IBM RAD, Aptana, Visual Studio
HTML, CSS, JavaScript, JSP, Struts, Angular, Node.js	XAMPP Stack, WebSphere, GlassFish, Oracle, Toad
Linux/Security Geek, Pentesting, System Hardening, Encryption	UML Modeling, ClearCase, ClearQuest, Git
Waterfall and Agile Methodologies, Jira, Confluence	Unit and String Testing
VMware, MS Office, Docker, SharePoint, Outlook	Diagnostic Testing and System Recovery
Discrete Mathematics, Calculus, Statistics	Physics, Orbital Mechanics, Chemistry, Biology, Accounting

Technical Work Experience

Associate Computer Engineer **May 2019 – Present**

The University of Dayton Research Institute (UDRI), Applied Sensing Division

- Develop and debug autonomous systems for the United States Air Force Research Laboratory (AFRL).
- Graph state and position of systems using Matplotlib and Numpy libraries.
- Participate as software developer and systems architect in the Sensor Open Systems Architecture (SOSA) consortium.
- Work on design for custom OMG-DDS implementation.
- Meet with clients to pin down requirements and present research.

Software Developer

May 2016 – May 2019

MacAulay-Brown, Inc., an Alion Company, Advanced Technology Group

- Developed and debugged the U.S. Air Force Purchase Request Process System as a subcontractor for Exeter.
- Architected and coded new project for National Air and Space Intelligence Center (NASIC) customer.
- Met with clients to analyze needs, created mockups, designed architecture and code to meet internal requirements and exit criteria, presented key findings in meetings or technical write-ups, coded to design, tracked changes in SCM system, wrote and conducted string and unit tests, debugged problem reports, engaged in peer review, and coordinated with other project team members throughout the development life cycle.

- Identified, analyzed, and provided solutions for security concerns.

Technical Support Representative

University of Dayton, Information Technology Services

October 2006 – June 2008

Additional Experience

Adjunct Instructor of English, Periodically: Sinclair, UD, Wright State, & Clark State

Fall 2014 – May 2016

U.S. English Teaching Assistant, Austria

September 2013 – June 2014

The Austrian-American Educational Commission (Fulbright Commission)

Graduate Assistant and Consultant, University of Dayton, Department of English

August 2011 – May 2013