

Garrett Heath Koller

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As a Software Engineer, I'm driven to leverage my technical skills to create solutions that not only enhance the lives of individuals but also have a positive impact on society at large by focusing on diversity, accessibility, and sustainability.

Education

- Washington and Lee University**, Lexington, VA (2010–2014)
B.S. Computer Science, concentration in Music (Graduated 2014)
- General Assembly**, Washington, DC (Sep 2017–Dec 2017)
User Experience Design course (part-time, on-campus)

Skills: Python, Java (EE, Tomcat, HK2, Guice), Scala, JavaScript, TypeScript, React/Redux, Ruby, C, APIs, Cloud (GCP, AWS), CI/CD (Docker, Bamboo, Ansible), DBs, Bash, Git, Linux, HTC (Hadoop/Cloudera)

Employment

- Senior Software Engineer at Catalyst, LLC (September 2015–Present)
 - Integrated Google Cloud Storage Buckets as a file input source for internal big data matching system
 - Wrote a full-stack client-facing file processing web app using Java, Scala, TypeScript, and React
 - Enhanced multiple public-facing APIs written in Java and Scala to better fit clients' big data needs
 - Developed Scala code that leverages Elasticsearch to reconcile records from disparate big data sources
 - Wrote scripts in Python, Ruby, and Bash to validate code and release projects as new artifacts
 - CI: Automated code integration and unit tests in an isolated, containerized way using Docker Compose
 - CD: Architected and automated code deployments to a new Blue/Green deployment model
 - Drafted documentation that ranged from getting-started tutorials to technical code documentation
 - Taught 30 coworkers in 3 concurrent Python courses to foster Python proficiency across the company
- Software Engineer Consultant at Booz Allen Hamilton (July 2014–September 2015)
 - Developed mission support software for a DoD client on the C3E DIA/Military Intel team
 - Utilized Java EE, Spring, and Hibernate frameworks and an Oracle Database to serve a Tomcat web app
- Interning Research Assistant at Booz Allen Hamilton (June 2013–August 2013)
 - Engineered solution using PHP and Java to increase browser anonymity for a DIA marketing project
- Technical Specialist at the Information Technology Services HelpDesk at W&L (April 2012–June 2014)
 - Resolved a 2-year-long recurring problem with the campus's Aruba Wi-Fi network and Apple devices
- Research Assistant of Computer Science at W&L with Dr. Joshua Stough (June 2011–May 2014)
 - Developed an HTCondor supercomputing environment and provided support and system administration
- Information Technology Client Services Assistant at W&L (September 2010–May 2011)
 - Created videos promoting the ITS department, the university library, and the services they offer

Honors and Awards

- Johnson Scholarship Recipient, Washington & Lee University, Lexington, VA (2010–2014)
 - \$250,000 full-ride merit-based scholarship covering tuition, room, and board
- Eagle Scout Rank of the Boy Scouts of America (2010)
 - Built equestrian training equipment for a counseling center (22.5 hours of planning and action)
- 2nd place in the 2011 EDUCAUSE Security Awareness Video Contest (2011)

Leadership and Activities

- Active Volunteer for the Bargaining Committees of companies unionizing with CWA Union (2022–Present)
- Elected member of Bargaining Committee for Catalyst Union workers (2021–2022)
- Appointed member of Diversity and Accessibility Committee for employees at Catalyst, LLC (2020–2021)
- Secretary of GLOBE, Booz Allen Hamilton's LGBTQIA+ Diversity Group (2014–2015)
- Hackathons hosted by Booz Allen Hamilton: (2014–2015)
 - PyNight (Feb 2015): 5th place out of 200 contestants in Python programming competition
 - Hack-A-Thon for Hope (2014): Created model to predict genocide for the Holocaust Memorial Museum
- Held multiple leadership positions on W&L campus, including LGBTQIA+ orgs and fraternity (2011–2014)