Garrett Heath Koller

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As a Software Engineer, I am 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 Catalist, 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/Redux
  - 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 reliably 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 2-year-long problem with Wi-Fi network periodically disconnecting every Apple device on campus
- 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 equipment for Tulsa Boys' Home for boys with behavioral and substance abuse problems
- 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 Catalist Union workers   *(2021–2022)*
- Appointed member of Diversity and Accessibility Committee for employees at Catalist, 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)*