Ryan Jakiel

Software Development Engineer

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Experience			
	AWS	**07/2019 - 04/2023**	**Software Development Engineer**

- Responsible for collecting, enriching, and publishing network usage for all EC2 instances, processing about 3 PB/day of network packets and associated metadata.
- Developed a feature to process data per-packet, rather than per-batch. This reduced the risk of data loss, decreased processing time, and eased the operational burden for the team, as it prevented individual failed packets from causing the whole batch to fail.
- Built, owned, and maintained the service security and law enforcement used to retrieve historical network usage.

Facebook   **09/2018 - 11/2018**   **Software Development Engineer**

- Refined the UI and implemented reactions, navigation arrows, and the settings menu for Facebook Lite's Stories feature.

Amazon   **05/2018 - 08/2018**   **Software Development Engineer**

- Implemented a feature to filter out inappropriate language from Alexa responses for Alexa Shopping.

Universal Consulting Services   **05/2017 - 12/2017**   **Jr. Software Developer**
                                    05/2016 - 08/2016

- Developed an ASP.NET MVC 4 web application for the Department of Defense to assist with the tracking of off-duty navy and marine personnel.

Virginia Tech   **08/2016 - 05/2017**   **UTA**

- Taught two lab classes for the beginner Java course for non-computer science majors in the fall.
- Instructed two lab classes for the software design course teaching computer science majors during the spring.
- Held weekly office hours to answer questions and teach students how to debug their programs.

Self-Employed Tutor   **06/2015 - 01/2016**   **Java Programming Instructor**

- Individually instructed 4 students using a self-written curriculum for beginner Java Programming, AP Computer Science, and beginner Android Development.

TJHSST   **09/2014 - 06/2015**   **Computer Systems Research Lab**

- Developed a Java application to translate sign language gestures into text with the Myo Armband.

Education

Virginia Tech

2015 - 2019   B.S. Computer Science
                     GPA: 3.73/4.00

Thomas Jefferson High School for Science and Technology (TJHSST)

2011 - 2015   Advanced Diploma with Governor's Seal
                     GPA: 4.14/4.00

Coursework

Graphical User Interfaces	Mobile Application Development	Data Structures and Algorithms
Artificial Intelligence	Computer Systems	Human Computer Intelligence

Languages

I am most proficient in Java, and worked in Java, Python, Ruby, C, and bash scripting during my time with AWS and Amazon. I have experience with Typescript, Javascript, PHP (Hack), HTML, and CSS for web development.