Devon Walker

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devonwa.com | linkedin.com/in/devonwalker | github.com/devonwa

Skills	**Programming Languages:** Proficient in Golang, JavaScript, TypeScript, Python, SQL, C#, Java, HTML/CSS. Familiar with C++, LabView.
	Technologies: Kubernetes, Docker, Kafka, React.js, UNIX, Git, MySQL, Ansible, Jenkins, JIRA, PLC Platforms.

Experience

Tesla, Inc.   Austin, TX, USA
Staff Software Engineer   *December 2021 – Present*
- Wrote a Tool Positioning System in Golang to

Staff Automation Engineer   *December 2019 – December 2021*
Senior Automation Engineer   *April 2018 – December 2019*
Automation Engineer   *May 2017 – April 2018*
- Created custom Tool Positioning System that uses a collection of disparate sensors to govern tool interlock conditions. Integrated into Shanghai Drive Unit (approx. 25 stations).
- Redesigned Siemens PLC MES transaction library to abstract changing backend data acquisition strategies from machine process implementations.
- Led a team of 9 controls engineers to deliver the first Tesla Paint Shop in Shanghai.

EZSoft, Inc.   Malvern, PA, USA
Automation Engineer   *October 2012 – July 2015*
- Wrote a custom C# communication interface and GUI to integrate lab test equipment into an Allen-Bradley control system.
- Recorded high-speed data into an SQL database and performed statistical analysis to inform future experiment plans.

Chemical Engr. Dept., University of Pittsburgh   Pittsburgh, PA, USA
Process Control Engineer Internship   *May 2011 – December 2011*

Education

Carnegie Mellon University   December 2016
Master of Science in Chemical Engineering | 4.0/4.0

University of Pittsburgh   April 2012
Bachelor of Science in Chemical Engineering | Minor in Computer Science | 3.3/4.0