

Devon Walker

devon@devonwa.com | 717-304-2186 | Austin, TX
devonwa.com | linkedin.com/in/devonwalker | github.com/devonwa

Skills	<p>Programming: Golang, JavaScript, TypeScript, Python, SQL, Make, C#, Java, HTML/CSS Frameworks: React.js, Playwright, Gorilla (REST), SciPy Databases: MySQL, Kafka, Prometheus, Redis, FoundationDB, BoltDB Tools: Linux, Git, Kubernetes, Docker, Ansible, Vault, Github, Graphana, Splunk, Vim</p>	
Experience	Tesla, Inc.	Austin, TX
	<i>Staff Software Engineer</i>	<i>December 2021 – Present</i>
	<ul style="list-style-type: none">• Observability: Implemented Open Telemetry tracing across several Golang applications communicating via gRPC and Kafka, greatly reducing fault analysis time.• Data Visualization: Developed an interactive inventory visualization single-page application with React.js, d3, and Golang Fiber that identified discrepancies in real-time.• a: a	
	<i>Staff Automation Engineer</i>	<i>December 2019 – December 2021</i>
	<i>Senior Automation Engineer</i>	<i>April 2018 – December 2019</i>
	<i>Automation Engineer</i>	<i>May 2017 – April 2018</i>
	<ul style="list-style-type: none">• Leadership: Led a team of 7 automation engineers managing 6 foreign suppliers to deliver the Vehicle Paint Shop (\$20M+) for the company's first international factory in Shanghai.• Design Architect: Drafted an electrical and network architecture specification and managed its execution by 8 automation engineers leading 14 suppliers of Drive Unit equipment (\$100M+) to three factories on three continents.• Abstraction: Redesigned PLC MES transaction libraries to make data transactions transparent to machine process implementations.	
	EZSoft, Inc.	Malvern, PA
	<i>Automation Engineer</i>	<i>October 2012 – July 2015</i>
	<ul style="list-style-type: none">• Data Acquisition: Developed a C# application and GUI to integrate bespoke embedded devices into an industrial control system to inform process efficiency.	
	Chemical Engr. Dept., University of Pittsburgh	Pittsburgh, PA
	<i>Process Control Engineer Internship</i>	<i>May 2011 – December 2011</i>
	Carnegie Mellon University	December 2016
	Master of Science in Chemical Engineering. 4.0/4.0.	
	<ul style="list-style-type: none">• Machine Learning: Thesis on "A neural network potential for nanoporous graphene."	
Education	University of Pittsburgh	April 2012
	Bachelor of Science in Chemical Engineering. Minor in Computer Science. 3.3/4.0.	