

GRIFFIN BRANHAM

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SKILLS	Languages: Go, Java, Python, Typescript, SQL Technologies: Spring Boot, Django, AWS, Docker, Kubernetes, NoSQL, CircleCI	
EXP	Generac Power — Software Engineer	2021 — 2023
	<ul style="list-style-type: none">• Created an API for controlling an IoT solar battery using Go and gRPC, validating request structure and implementing graphs of user relationships to minimize conflicting or invalid commands• Enabled users of a web portal for IoT solar inverters to instantly see device status updates, by caching AWS Kinesis data in Redis and adding a blocking-polling mechanism to the backend Spring Boot API• Built a Behavior-Driven Development testing service for an API, integrating end-to-end testing and the validation of user stories into the deployment pipeline• Added a firmware update system to a Spring Boot API for IoT solar inverters, facilitating simple and inexpensive field upgrades by delivering signed firmware download packets over MQTT• Automated the loading of new customer account information into Salesforce by creating a scheduled Celery task in Python that eliminated data-entry errors• Reduced load time by 95% for a Django web page containing thousands of database entries by optimizing SQL queries• Onboarded and mentored new hires and interns	
	Apple — Product Engineer	2019 — 2021
	<ul style="list-style-type: none">• Managed 3 memory chip testing labs in Silicon Valley while providing technical support, including the development of Python software to control a chip handling machine, enabling autonomous testing of up to 300 devices	
ED	Micron — Systems Engineer Lead	2017 — 2019
	Micron — Hardware Engineer	2011 — 2017
	<ul style="list-style-type: none">• Supervised a memory chip testing lab in Silicon Valley, managing 3 direct-report engineers where the team conducted comprehensive system-level validation for major networking customers, resulting in over \$20M in sales	
ED	Washington State University — B.S. Electrical Engineering	2010