# Michael Knowles

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## SKILLS

Go, Python, Javascript, Typescript, Java, Docker, SQL, NoSQL, React, Angular, Flask, NodeJS

## EXPERIENCE

**Blue Shield of California** - *Application Developer*

January 2019 - PRESENT

- Created vendor facing APIs used to load data in near real time instead of daily/weekly batches using Java Spring and Oracle SQL
- Re-architected Java and Informatica applications improving performance by up to 50%
- Automated unit test case creation and logging using React, NodeJS, and OracleDB
- Developed a program to validate production deployments using Python. Reduced manual work and improved accuracy saving over 30 hours per release
- Formed a collaborative team knowledge base for onboarding and team documentation using Confluence
- Triaged and provided root cause analysis for incidents

**NIDEC, Motion Control Engineering** - *Network System Technician*

September 2018 - January 2019

- Virtualized Ubuntu Linux servers on to HyperV
- Used Powershell to automate software upgrades and configuration

**SAI** - *Product Specialist*

November 2015 - October 2017

- Rewrote a data parsing application increasing speed by 95% using Python
- Analyzed customer data sets and produced specialized reports using BASH, Excel, Tableau, and MySQL

**DSD Solutions** - *System Administrator & Developer*

November 2014 - November 2015

- Administered virtual Ubuntu Linux servers hosting customer websites and email
- Developed websites from PSD designs in collaboration with the customer using PHP
- Introduced version control using Git

## PROJECTS

**InformaticaUtilGo** - a Go library to lex, parse, and evaluate Informatica expressions