


Michael KNOWLES

Application Programmer

 github.com/michaelknowles

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A software developer that's always asking questions, trying to find ways to improve things, and create the best possible product. Well-versed in all phases of the software development lifecycle, with a strong working knowledge of designing and developing performance critical applications. Proven success engineering customized solutions to improve business processes, operations and profitability.

SKILLS

Programming	Typescript/Javascript, Go, Python, Java, Clojure
Libraries	React, NodeJS, Spring, Camel
Databases	Oracle (SQL, PLSQL), PostgreSQL, NoSQL (Firestore)
Operating Systems	Windows 10, Linux (Redhat, CentOS, Ubuntu, Arch)
Tools	Git, SVN, Docker, Informatica, Facets

EXPERIENCE

Present January 2019	Application Programmer, BLUE SHIELD OF CALIFORNIA, <ul style="list-style-type: none">› Created vendor facing APIs used to load data in near real time instead of daily/weekly batches› Wrote new ETL interfaces and refactored/rewrote existing code improving performance by up to 50%› Automated unit test case creation and logging through a web application› Developed a program to validate production deployments to reduce manual work and improve accuracy› Created a collaborative team knowledge base for onboarding and team documentation› Triaged and provided root cause analysis for non-production incidents <div>Informatica Oracle DB Python BASH Go Javascript Java Docker Spring Jenkins</div>
January 2019 September 2018	System & Network Administrator, NIDEC - MOTION CONTROL ENGINEERING, <ul style="list-style-type: none">› Administered Windows and Linux (Ubuntu) servers› Virtualized physical servers onto HyperV› Supported escalated issues providing complete resolution and root cause analysis <div>Powershell Active Directory Windows Server Ubuntu HyperV</div>
September 2018 October 2017	Member Processor, BLUE SHIELD OF CALIFORNIA, <ul style="list-style-type: none">› Created applications using Access for logging, auditing, and reporting› Analyzed data in Excel and Access to identify trends and provide analysis to leadership <div>Facets MEET EDIFICS Powershell Microsoft Access VBA Microsoft Office</div>
October 2017 November 2015	Product Specialist, SAI, <ul style="list-style-type: none">› Supported SaaS products through Windows and Linux server administration› Analyzed customer data sets and produced specialized reports using BASH, Excel, Tableau, and MySQL› Developed websites enabling customers to interface with the software› Rewrote a data parsing application increasing speed by up to 95% <div>C BASH C# Javascript Linux (Redhat) MySQL Tableau</div>
November 2015 November 2014	System Administration & Developer, DSD SOLUTIONS, <ul style="list-style-type: none">› Managed virtual Linux servers hosting customer websites and email› Developed websites from PSD designs in collaboration with the customer› Introduced version control with Git <div>Javascript PHP Linux (Ubuntu)</div>