


# Michael KNOWLES

## Application Programmer

 [github.com/michaelknowles](https://github.com/michaelknowles)

 <https://mikeknowl.es>

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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

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

## EXPERIENCE

<b>Present</b> <b>January 2019</b>	<b>Application Programmer, BLUE SHIELD OF CALIFORNIA,</b> <ul style="list-style-type: none"><li>› Created vendor facing APIs used to load data in near real time instead of daily/weekly batches</li><li>› Wrote new ETL interfaces and refactored/rewrote existing code improving performance by up to 50%</li><li>› Automated unit test case creation and logging through a web application</li><li>› Developed a program to validate production deployments to reduce manual work and improve accuracy, saving upwards of 4 hours per developer per deployment</li><li>› Formed a collaborative team knowledge base for onboarding and team documentation</li><li>› Created a lexer, parser, and evaluator for Informatica functions to speed up development, testing, and investigation</li><li>› Triaged and provided root cause analysis for non-production and production incidents</li></ul> <div>Informatica   Oracle DB   Python   BASH   Go   Javascript   Java   Docker   Spring   Jenkins</div>
<b>January 2019</b> <b>September 2018</b>	<b>System &amp; Network Administrator, NIDEC - MOTION CONTROL ENGINEERING,</b> <ul style="list-style-type: none"><li>› Administered Windows and Linux (Ubuntu) servers</li><li>› Virtualized physical servers onto HyperV</li><li>› Supported escalated issues providing complete resolution and root cause analysis</li></ul> <div>Powershell   Active Directory   Windows Server   Ubuntu   HyperV</div>
<b>September 2018</b> <b>October 2017</b>	<b>Member Processor, BLUE SHIELD OF CALIFORNIA,</b> <ul style="list-style-type: none"><li>› Created applications using Access for logging, auditing, and reporting</li><li>› Analyzed data in Excel and Access to identify trends and provide analysis to leadership</li></ul> <div>Facets   MEET   EDIFICS   Powershell   Microsoft Access VBA   Microsoft Office</div>
<b>October 2017</b> <b>November 2015</b>	<b>Product Specialist, SAI,</b> <ul style="list-style-type: none"><li>› Supported SaaS products through Windows and Linux server administration</li><li>› Analyzed customer data sets and produced specialized reports using BASH, Excel, Tableau, and MySQL</li><li>› Developed websites enabling customers to interface with the software</li><li>› Rewrote a data parsing application increasing speed by up to 95%</li></ul> <div>C   BASH   C#   Javascript   Linux (Redhat)   MySQL   Tableau</div>
<b>November 2015</b> <b>November 2014</b>	<b>System Administration &amp; Developer, DSD SOLUTIONS,</b> <ul style="list-style-type: none"><li>› Managed virtual Linux servers hosting customer websites and email</li><li>› Developed websites from PSD designs in collaboration with the customer</li><li>› Introduced version control with Git</li></ul> <div>Javascript   PHP   Linux (Ubuntu)</div>