

Royer Ramirez Ruiz

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EXPERIENCE

DevOps Engineer	Rakuten	July 2019 – Current
<ul style="list-style-type: none">• Responsible for building and maintaining 50-60 GKE clusters in dev and prod environments.• Ensuring all new infrastructure is built using custom Terraform modules and following Infrastructure as code (IaC).• Continuing to build and maintain CI/CD tools like Spinnaker, Kubeflow, and Jenkins that help maintain GKE deployments.• Built multiple internal tools that help with performing security audits on GCP that monitor external IP's, firewall rules, and IAM permissions.• Built internal API's that shutdown GKE and GCE instances on schedules, or by sending on demand requests helping with cost saving measures and scaling up/down DR environments.• Created an autoscaling feature that safely turns on/off StatefulSets like Elasticsearch running on GKE. This helps save on costs by ensuring resources are not idling.• Responsible for implementing private Alpha and Beta offerings from GCP into Rakuten's environment. This helps ensure the environments stays up to date with the latest in cloud computing offerings.• Responsible for maintaining and deploying monitor tiers that consist of Prometheus, Elasticsearch, Kibana, and Grafana that integrate with our Google Cloud environment for detailed metrics.• Designed and performing a service mesh migration from a traditional network architecture using Envoy and Traffic Director.• Bridging the gap between the DevOps and Data Science team by fast tracking models, perform data migrations, and guarantee connectivity between services to help meet and exceed release deadlines.		
Advanced Analytics Specialist	Metia	October 2018 – July 2019
<ul style="list-style-type: none">• Optimized unsupervised Natural Language Processing (NLP) topic models in R and Python by reducing the compute time from several weeks to just a few hours.• Worked in a team to build and containerize a web crawler written in Nodejs.• Responsible for creating ad-hoc data models, and dashboards to provide insights for Microsoft executives.• Creating and maintaining SQL databases, docker containers, and virtual machines to process workloads.		
Technical Analyst	Euronet Software Solutions	December 2017 – October 2018
<ul style="list-style-type: none">• Assisting financial institutions with production failures and ensuring banking systems stayed active preventing outages.• Testing and deploying custom security features; verifying the accuracy of the results with various teams from each bank.• Responsible for conducting live migrations between production and disaster recovery environments.• Assisted financial institutions to meet dynamic requirements set by Visa and Mastercard.		

EDUCATION

B.S. in Applied Mathematics, Minor in Physics	University of Central Arkansas	Fall 2013 – Fall 2017
<ul style="list-style-type: none">• Senior Math Electives:<ul style="list-style-type: none">▪ Modeling & Simulation▪ Ordinary Differential Equations I, II• Physics Electives:<ul style="list-style-type: none">▪ Classical Mechanics▪ Observational Techniques - Astronomy		
<ul style="list-style-type: none">▪ Numerical Methods▪ Stochastic Process▪ Experiments in Physics - Meteorology▪ University Physics I, II, III		

PROJECTS

enForm	January 2019 – January 2021
<ul style="list-style-type: none">• An energy audit iOS application, written in Swift, enabling engineers to conduct energy audits for buildings.• enForm and the Entegrity team were recently featured in <i>Energy News</i> for turning solar savings into increased teacher pay.• This application is able to streamline energy models by providing an easy-to-use data processing backend. This app is similar in functionality to SnapCount.	
Ramona's Radiant Rooms	November 2017 – January 2021
<ul style="list-style-type: none">• An iOS application that enables secure tokenized payments using Swift and Nodejs.• Users have the option to store multiple debit/credit cards safely, as well as view a history of all their previous transactions.• This application has about 80 recurring users per month.	