

Royer Ramirez Ruiz

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EDUCATION

B.S. in Applied Mathematics, Minor in Physics

University of Central Arkansas

Fall 2013 – Fall 2017

- Math Electives:
 - Modeling & Simulation
 - Ordinary Differential Equations I, II
 - Numerical Methods
 - Stochastic Process
- Physics Electives:
 - Classical Mechanics
 - Observational Techniques - Astronomy
 - Experiments in Physics - Meteorology
 - University Physics I, II, III
- 3.61 GPA - Dean's List

EXPERIENCE

DevOps Engineer

Rakuten

June 2019 – Current

- Maintaining dev, stage, and prod environments using Terraform and CI/CD pipelines like Spinnaker, Kubeflow, and Jenkins.
- Developed Terraform modules that build and maintain custom Shared VPC Kubernetes clusters that are on private networks.
- Built multiple internal tools that help with performing security audits, shutting down the dev environment on the weekends, and created an autoscaling feature that safely turns on/off StatefulSets.
- Responsible for maintaining and deploying monitor tiers that consist of Prometheus, Elasticsearch, Kibana, and Grafana.
- 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 – June 2019

- 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

- Assisting financial institutions with production failures and ensuring banking systems stayed active and continued to process transactions.
- Testing and deploying custom security features, along with verifying the accuracy of the results with teams from each individual bank.
- Responsible for conducting live migrations between production and disaster recovery environments.
- Assisted financial institutions to meet dynamic requirements set by Visa and Mastercard.

Data Analyst Intern

Entegritty

December 2016 – December 2017

- Effectively created predictive regression models for the accounting department.
- Worked with the engineering team to expediate cost effective environmentally friendly solutions by building an iOS application that set the groundwork for enForm.
- Independently headed an energy rate analysis consisting of interactive energy maps to visually display energy rates, enabling business leaders to make data-driven decisions for future expansions.

PROJECTS

enForm

January 2019 – January 2021

- An energy audit iOS application, written in Swift, enabling engineers to conduct energy audits for buildings.
- enForm and the Entegritty team were recently featured in *Energy News* 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

- 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.