Royer Ramirez Ruiz

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EDUCATION

Conway, AR **University of Central Arkansas** **Fall 2013 – Fall 2017**
3.62 GPA (Dean's List)

- **B.S. in Applied Mathematics**; **Minor in Physics** (Applied)
- **Math Electives**: Numerical Methods; Ordinary Differential Equations II; Stochastic Processes; Statistical Methods
- **Physics Electives**: Classical Mechanics; Observational Techniques - Astronomy; University Physics III

EXPERIENCE

DevOps Engineer **Rakuten** **June 2019 - Current**

- Managing, deploying, and maintaining dev, stage and prod environments on GCP ranging from data science models deployed on Kubernetes, to workloads deployed by CI/CD Pipelines like Spinnaker, Kubeflow, and Jenkins.
- Ensuring the team is following best practices by having code reviews, performance and vulnerability scans.
- Responsible for providing core infrastructure designs for new production models involving image classification and brand detection for the Rakuten Ichiba marketplace.
- Serving as the last line of support for Data Scientist and Engineers by solving bugs in the code, system configurations, and networking issues.

Advanced Analytics Specialist **Metia** **October 2018 - June 2019**

- Built unsupervised Natural Language Processing (NLP) Topic Models in R and Python.
- Working in a team to build & maintain data pipelines that collect data using R, Python, and 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 stay active and continue 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.
- *Institutions Advised: Arvest Bank, Bank of Ceylon, Bank of the Bahamas, Cargills Bank, Cayman National, Fidelity, First Caribbean International Bank, Simmons Bank, US Bank, and Westpac*

Data Analyst Intern **Entegrity** **December 2016 - December 2017**

- Effectively created predictive billing regression models in R and Python for the accounting department.
- Worked with Mechanical Engineers to expediate cost effective environmentally friendly solutions for businesses 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 – Current): An energy audit iOS application helping solve environmental problems by making buildings LEED certified. This app was written in Swift enabling Mechanical Engineers the ability to input mechanical equipment for buildings ranging from schools, colleges, prisons and warehouses. All the data is automatically synchronized with Firebase. The backend for the application, which is running on Kubernetes, is able to scrape text from images using a trained object detection model that assists with classification. This application is in use today and was recently featured in Energy News for helping turn solar savings into higher salaries for teachers.
- **Ramona's Radiant Rooms** (November 2017 – Current): Created a secure iOS payment solution application using Swift and Nodejs by allowing clients to make easy and secure payments. The application sends requests to a Global LB that splits the load between on-prem and GCP helping keep costs down. This also guarantees the payment processing service is always up by automatically failing over when necessary. All banking information is encrypted and tokenized to ensure PCI requirements are met. This application has 80 recurring users per month.