Ryan **Johnson**

DATA SCIENTIST · ANALYTICS

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Summary

Current Data Scientist at small utility analytics company, The Energy Authority. 3+ years experience in Data Science specializing in time series analysis, data visualization, and process management. Skilled problem creator who loves nothing more than being proved wrong. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Skills

DevOps	Git, Docker, Kubernetes, Jenkins
Database	SQL Server, MongoDB, REST API
Programming	R, Python, C++
Languages	English, German

Work Experience

The Energy Authority   *Bellevue, WA*

DATA SCIENTIST   *Sep. 2019 - Present*

- Provisioned an easily managable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

The Energy Authority   *Bellevue, WA*

ANALYTICS INTERN   *Mar. 2019 - Sep. 2019*

- Supported other analysts in the maintenance and development of machine learning models, time series analysis, and data processing
- Redesigned existing Analytics web applications and visualization tools via 'R Shiny' framework.
- Communicated actionable data insights and issues to management to support decision processes.

Equinix   *Sunnyvale, CA*

BUSINESS SYSTEMS ANALYST INTERN   *Jun. 2018 - Sep. 2018*

- Analyzed and optimized current tech stack along key performance indicators
- Created and updated IT application runbooks for core applications.
- Built reports and dashboards to measure success and operational efficiency.

Education

University of Washington   *Seattle, WA*

MS IN APPLIED MATHEMATICS: COMPUTATIONAL FINANCE   *Sep. 2018 - Dec. 2019*

- Recipient of the Professional Excellence Award for distinguished academic merit and professionalism.
- Studies included statistical modelling, machine learning, and probability.

Santa Clara University   *Santa Clara, CA*

BSC IN MATHEMATICS AND COMPUTER SCIENCE   *Sep. 2014 - Jun. 2018*

- Graduate cum laude with dual emphases in Data Science and Financial Mathematics with a minor in German Language & Culture.
- Recipient of the Paul R. Halmos Award for Outstanding Academic Record.
- Teaching Assistant for Intro. to Computer Science, Object Oriented Programming (C++), Cryptography, and Data Science. Research Assistant in Data Science.
- President of Pi Mu Epsilon (Mathematics Honor Society) and the Santa Clara Math/CS Society.