# Ryan Dundun

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## PROFESSIONAL EXPERIENCE

### SENIOR SOFTWARE ENGINEER, CAPITAL ONE; CHICAGO, IL – 2019-PRESENT

Programmed, monitored and did DevOps on full-stack web-development software while working with Agile team using Jira on a variety of applications and services in QA and Production environments. Tech Stack includes Github, AWS ECS, EC2, S3, RDS, Python, Jenkins (for CICD), Route 53, Lambda, Load Balancers, SNS, ReactJS, Docker containers.

### CTO AND CO-FOUNDER, VYFLOW; BELOIT WI – 2019

Assembled, designed, and maintained software and service architecture for all of Vyflow's services and applications that include real-time view-only bank access, data rooms, portfolio management, etc. Vyflow is an incubator startup that raised a seed round of investment. Vyflow provides peace of mind to investors by adding an extra layer of due diligence. Tech stack includes Django Python (backend), React (front end), plaid integration (for banking access), AWS Lambda, S3, EC2, RDS, Route 53, Elastic Beanstalk etc.

### WEB SCRAPER & DATA ENGINEER, QUAD GRAPHICS; SUSSEX WI – 2018

Scraped/mined data programmatically (using python selenium and BeautifulSoup) from various sources to be used in prediction/forecasting of trends in business operations. After data was scraped it was processed and transformed with Python Pandas to be stored in AWS S3. Infrastructure included AWS Lambda and EC2.

## EDUCATION

University of Wisconsin-Madison, WI – Statistics B.S, Economics B.S, Computer Science Minor, Graduated May 2019

## SKILLS & AWARDS

- Certified AWS Solutions Architect (C02), Certified May 2020, Validation ID: VM2H0NMCEN441FCP
- **AWS Experience:** Lambda, EC2, S3, SNS, SQS, RDS, ECS, Elastic Beanstalk, Load Balancers, SMS, SES, Rekognition, Route 53, Comprehend, API Gateway, CloudWatch, EventBridge, Step Functions, Athena, Glue
- **Skills:** Git (Github), Python, SQL, Postgres, Django, React, Web-scraping, Selenium automation, BS4, Machine Learning with Scikit-Learn, image classification, CI/CD, Jenkins, Terraform, JavaScript, XML, REST API, Docker
- Powers-Knapp Scholar, University of Wisconsin-Madison (Private academic scholarship)
- Division 1 All-American Track & Field Athlete:  Nationals Qualifier, Academic All-Big Ten, B1G Ten Champion (DMR)

## OTHER EXPERIENCE

### CHESS CLUB UW, PRESIDENT AND CO-FOUNDER – 2015

Recruited 100+ active members. Organized recruiting, meetings and tournaments (see organization link here)

### RECYCLE REWARDS – 2020

Built non-profit website that utilizes image classification to give users points for recycling that are redeemable for coupons (learn more here). Build with python Django utilizes AWS S3, Elastic Beanstalk, and Rekognition.

### FOURKUBE LLC, CO-FOUNDER – 2018 - 2020

Engineered FourKube's machine learning algorithms that generates and records predictions based off of web-scraped data from various sources – 100% automated. FourKube's stock prediction algorithm strives to identify companies to buy for profit. Software is powered by AWS with Lambda APIs utilizing AWS API Gateway and the live website is created in ReactJS. The software lives on today paper trading daily and running on autopilot - live reporting of on-going performance at: https://www.fourkube.info/. At its peak, had 82 monthly paying subscribers utilizing Stripe.

Personal website:  **www.ryandundun.com** has most personal projects referenced above and more