

# Nick White

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## Work Experience

### Academia.edu (Software Engineer)

2018 to Present

Ruby on Rails, ReactJS, PostgreSQL, AWS, Terraform, Ansible

- Isolated the email marketing system's datastores from other systems which generated \$200,000/month in incremental revenue by sending more marketing emails
- Designed and implemented a new on-site marketing experience that generates \$100,000/month in revenue
- Built a system to load test email sending infrastructure which identified performance bottlenecks
- Scaled in-house email system from 50 million to 150 million emails/day by tuning and optimizing database queries identified as bottlenecks by the load test
- Implemented Postgres partitioning for a live table with billions of rows with just minutes of downtime (quarter-long effort)
- Led the Build Guild to reduce CI run time by 50% and fix release bloat caused by a custom asset pipeline
- Mentored junior engineers, helping them ramp up on existing systems
- Trained new interviewers on our systems design whiteboarding interview and interviewed dozens of candidates
- Organized monthly engineering all hands events where engineers presented on technical work to the entire engineering organization
- Productionized a method of running development VMs in AWS as an alternative to running them locally with VMware, increasing developer productivity by cutting build times in half

### FleetCarma (Software Developer Intern)

Sept 2017 to Dec 2017

.NET, ReactJS, SQL Server, Azure

- Developed a data privacy feature in the SmartCharge Rewards product which allows users to control the gathering of non-essential data by the device attached to their car
- Worked closely with firmware and hardware engineers to implement handling for new types of signal data from devices

### Hubdoc (Software Developer Intern)

Jan 2017 to Apr 2017

NodeJS, PhantomJS, PostgreSQL

- Developed a system to automatically retrieve documents from banks, telecom companies, online retailers, and other businesses which retrieved thousands of documents for customers to streamline tax filing for their small to medium-sized businesses

## Education

### University of Waterloo

2013 to 2018

- Bachelor in Computer Science, Honours, University of Waterloo, Waterloo, Ontario

## Side Projects

### Beatnik | [beatnikapp.com](http://beatnikapp.com) | 1,000 weekly visitors

Python, Django, PostgreSQL, Heroku

- Beatnik aggregates links to songs and albums from major streaming music services, currently Apple Music, Google Play Music, Soundcloud, Spotify, and Tidal
- Facilitates seamless music sharing between friends who use different streaming services
- Uses APIs and scrapers to collect data from each streaming service

### Likelater | [likelater.io](http://likelater.io)

NodeJS, PostgreSQL, Heroku

- Likelater sends a daily email to remind users of articles linked in tweets that they've liked using the Twitter API