

# Daniel Kiselev

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## WORK & LEADERSHIP EXPERIENCE

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[danielkiselev.com](http://danielkiselev.com)

### CommerceHub

Latham, NY

Software Engineer II

November 2021 – Present

- Gathered technical requirements to create new features for the Active Delivery Management platform.
- Developed a scalable cloud framework built on AWS to configure and create dynamic alerting rulesets. Reduced development time of alerts by 80%.

### MTX Group Inc

Albany, NY

Senior Software Engineer

February 2021 – October 2021

- Authored medical data middleware for interoperability with vaccination registries. Defined vaccine management data requirements and led the engineering team in implementation.
- Designed and implemented a government system for SMS and voice campaign creation. Developed live chat functionality to facilitate communication between the public and support representatives. Developed Looker dashboard for department administrators, providing real-time overview of the systems previously mentioned.
- Fostered a positive work environment; ensuring direct reports' needs were met and conflicts were handled appropriately.
- Architected and developed using serverless compute an API microservice that imitates a human authenticating with blackbaud's SKY API and returns the auth token. Enabling scheduled programmatic SKY API integration that would otherwise require human intervention. Cloud Endpoints Portal was utilized to showcase, publicize, and re-use the capabilities for other clients.

### MTX Group Inc

Albany, NY

Software Engineer – Machine Learning

September 2019 – February 2021

- Analyzed sales data to identify key data points to produce a model to understand sales deal health.
- Researched, designed, and implemented methodology to calculate distance to assets from non-stereoscopic images. Ensured deduplication of same-asset across multiple images.

## SKILLS/CERTIFICATIONS

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- Technical Languages: Java, Python, TypeScript, JavaScript, HTML, CSS, C, OCaml
- Certifications: GCP Professional Data Engineer, GCP Associate Cloud Engineer
- Languages: Fluent in Russian and English

## PROJECTS

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[github.com/danielkiselev](https://github.com/danielkiselev)

### Whip – DandyHacks Hackathon Project

- Developed a web scraper to acquire airline data for assessing airport traffic in advance to predict ride-share surge pricing.
- Awards Received: Best use of GCP API (Google); Frankenstein Award, best use of multiple APIs (FactSet)

### Mobile Messaging App – Mobile App Development Final Project (Android & Java)

- Built a mobile messaging app that allows users to easily add friends by QR code.
- Utilized Google's Firebase platform for 'Realtime Database' management, and user authentication.

### Code Analysis – Advanced Compilers (Python)

- Developed a compiler that reduces C programs into 3-address code. Identified and removed redundant operations using a control flow graph and local value numbering. redundant operations were removed redundant operations within the code by utilizing local value numbering.

### Code Translator – Prog. Language Design & Imp. (Python & OCaml)

- Implemented a scanner/tokenizer; a parser for parse tree generation; a translator to convert the parse tree to the final output code.

## EDUCATION

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University of Rochester

Rochester, NY

Bachelor of Science, Computer Science.

2015-2019