# Daniel Kiselev

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## WORK & LEADERSHIP EXPERIENCE

*danielkiselev.com*

**CommerceHub**                                                                                                        **Latham, NY**
*Software Engineer II*                                                                                 November 2021 – Present
- Gathering 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. Implemented across the United States, the middleware is responsible for processing medical data of millions of Americans.
- Functioned as a client facing and MTX's internal HL7 SME. Responsible for understanding business needs and defining technical data requirements to a global development team. Ensured the correctness of the related development tasks; recipient of MTX's "Delivery Excellence Award".
- Designed and implemented a government system for SMS and voice campaign creation. Facilitating urgent notifications to hundreds of thousands of American citizens.
- Fostered a positive work environment; ensuring direct reports' needs were met and conflicts were handled appropriately.
- Architected and developed an API using serverless compute to imitate a human authenticating with blackbaud's SKY API. 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
- 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

*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

**University of Rochester**                                                                                        **Rochester, NY**
*Bachelor of Science, Computer Science.*                                                                              2015-2019