# Jonathan Kent

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https://github.com/jonathan-kent

## WORK EXPERIENCE

**401GO** — Sandy, UT (Remote)
*Software Developer* — *June 2023 – Present*

- **Skills and Technologies**: Python, Django, Javascript, HTMX, HTML/CSS, SQL
- Led technical hiring interviews for junior software developers.
- Mentored junior software developers through pair programming, code reviews, and agile development.
- Coordinated and managed task assignments for junior developers by setting timelines and acting as the primary point of contact for questions and reviews.
- Spearheaded cross-department efforts to create a white-label solution for 401(k) providers.

**401GO** — Sandy, UT (Remote)
*Junior Software Developer* — *August 2021 – June 2023*

- Automated the creation of quarterly participant reports to meet Department of Labor requirements.
- Built a new user dashboard to give 401(k) participants a simpler user experience.
- Developed 401(k) compliance testing and notifications for off-calendar 401(k) plans.
- Wrote and scheduled cron jobs using Google Cloud Scheduler.
- Implemented automated tests for new and legacy code with Pytest.
- Collaborated with software partners to introduce new external APIs to the site.
- Created training materials and led training sessions to familiarize teams with new features.

## EDUCATION

**McGill University** — Montreal, QC
*Bachelor of Arts in Computer Science; GPA: 3.6* — *2017 – 2021*

- 2020 – 2021 Recipient of Merit Scholarship in Information Sciences from the Minister of Higher Education

## PROJECTS

- **Lyric Guesser**:
  - **Skills and Technologies**: JavaScript, Python, React, Node, Express, MongoDB
  - **Description**: A game of guessing which lyric appears in more hit songs. A front-end built with React and a back-end with Node, Express, and MongoDB. Songs and lyrics were sourced using Python and the Genius API.

- **Great British Accent Challenge**:
  - **Skills and Technologies**: Python, Django, Google Maps API, AWS Elastic Beanstalk
  - **Description**: A game of guessing the location of various accents from a short sound clip created using the Google Maps API with Javascript along with a Django backend.

- **Ray Marching Rendering Demo**:
  - **Skills and Technologies**: JavaScript, HTML
  - **Description**: A demonstration of 3D rendering with sphere tracing and signed distance functions. A scene of simple 3D shapes with diffuse lighting and shadows accompanied by a 2D demonstration of sphere tracing.

- **Personal Wedding Website**:
  - **Skills and Technologies**: HTML, CSS, JavaScript, Firebase
  - **Description**: A site, available in English and Serbian, with event info and an RSVP form for my wedding guests.

## SKILLS AND TECHNOLOGIES

- Python, Java, JavaScript, HTML/CSS, Django, HTMX, React, C/C++, OCaml, SQL, MongoDB, Bash, Git