

Harvey Reynier

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Motivated and product-minded software engineer. Experienced in full stack software development through the product cycle from conception and design through to completion. Excited by technology and eager to continue utilising new languages and frameworks to build innovative software products.

Work Experience

Software Engineer | Snap, Inc

Dec 2021 – Present

- Built and maintained a user-facing application for posting from the web using Next.js and Go to drive 400 million weekly minutes of view time across Snapchat.
- Collaborated with internal teams around the world, including QA, Design, Infra, and Product, to develop and launch new features that increased the amount of uploaded media by 27%.
- Contributed to our in-house UI library to create complicated reusable components using React that were used across several apps to optimise the developer experience.
- Wrote automated cross-browser unit and acceptance tests using Jest and WebDriver to reach 83% coverage and maintain a highly reliable product.

Software Engineer Intern | Snap, Inc

May 2021 – Dec 2021

- Worked as part of the content platform team to build a new GraphQL API to serve key user data to a React app, improving performance by 16% after migrating from a legacy API.
- Created complex and reusable UI components in React to create a consistent and sleek feel across the app, leading to increased customer satisfaction.
- Participated in code reviews and stakeholder presentations, gaining valuable feedback from senior engineers and practical experience writing Java and Scala.
- Wrote extensive unit tests and drove improved documentation practices across the team to optimise onboarding experience for new team members.

Education

UCL

Sep 2019 Sep 2020

MSc Urban Analytics

Distinction

- Achieved distinction grade across relevant computer science and data science modules including Spatial Data Capture, Storage and Analysis, and Dissertation.

University of Sheffield

Sep 2016 Jun 2019

BEng Civil Engineering

2.1

- Achieved distinction grade in the 'Global Engineering Challenge' hackathons, leading interdisciplinary STEM teams to develop solutions such as sustainable smart housing to combat climate change.

Personal Software Projects

Personal Website:

harveyreynier.com

(For additional projects and information)

Job Board App

[GitHub](#)

- Built a web app using React to aggregate entry-level tech jobs from several external job sites.
- Implemented a filtering algorithm that simplifies the job search process for tech graduates.
- Designed and automated a RESTful API with Cron, leveraging third-party APIs to keep the app updated.
- **Utilised:** JavaScript, React, Node, Cron, Express, Redis, Material-UI, and Google Cloud.

VR Urban Data Explorer

[GitHub](#)

- Built a web app using A-Frame and THREE.js to visualise complex urban data in VR.
- Designed a custom UI and visualisation system for VR to encourage users to explore the data intuitively.
- Inspired from struggling to explore multiple datasets within traditional 2D and 3D environments.
- **Utilised:** A-Frame, THREE.js, JavaScript, Mapbox, Express, AJAX, HTML+CSS, Git, UI Design, VR.

Software Skills

(Proficient): Typescript/ Javascript (ES6), React, Next.js, Go, GraphQL, HTML+CSS, Git, Unix, AWS

(Familiar): Rust, Java, Scala, Python, Google Cloud Platform, Jenkins, Looker, Bazel, Node, Grafana

Interests

- Listening to electronic and dance music, 3D art and modelling, bouldering, creating short videos, travelling and finding new independent and artisan coffee shops.