

# Emer Rafter

**Role:** Software Engineer

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## Personal Statement

Senior QA Engineer turned Software Developer with 5 years of experience in manual and automated testing. Recently completed a full-time Software Development Bootcamp at Northcoders, where I built full-stack JavaScript applications using React, Node.js, and databases, with a strong focus on test-driven development. Skilled in Cypress, writing test cases, and building automation scripts, plus hands-on coding experience from the bootcamp. Now looking to apply my QA background and new development skills to build and ship high-quality software solutions.

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, using Node.js and browsers as environment

**Testing:** TDD (Test Driven Development), Jest, Supertest, Cypress, Postman, TestRail

**Monitoring and debugging:** Google Cloud Logging and Logrocket

**Back-end:** MySQL, PSQL, seeding

**Front-end:** HTML, CSS, React, Lighthouse and other accessibility tools

**Hosting:** Netlify, Render

**Project Management & Collaboration:** JIRA, Agile, SCRUM, Kanban, Confluence, Trello

**Other:** Paired programming, Github, technical communication, AI integration, SDL and Figma

**Currently learning:** Python

## Professional Development

### *Northcoders Software Development Bootcamp in JavaScript | Jan 2025 - Present*

Completed a 13-week full-stack JavaScript bootcamp at Northcoders, gaining hands-on experience in software development. Built and deployed full-stack applications using React, Node.js, and databases, with a focus on test-driven development and agile methodologies. Worked in a team using Git, pair programming, and problem-solving to deliver a real-world project.

## Projects

**Name:** NC News (Frontend)

**Tech Used:** JavaScript, HTML, CSS, React

**Project Description:** The purpose of this project is to mimic a real world frontend service for content-sharing, where users can read articles, comment and react.

**Link:** <https://github.com/emerrafter1/nc-news-fe>

**Name:** NC News (Backend)

**Tech Used:** JavaScript, PostgreSQL, Express, SuperTest, Github Actions

**Project Description:** The purpose of this project is to mimic a real world backend service for content-sharing, where users can read articles, comment and react.

**Link:** <https://github.com/emerrafter1/nc-news>

**Name:** Study BuddAI (Full Stack)

**Tech Used:** TypeScript, HTML, CSS, React, MySQL, Express, SuperTest, Gemini AI, Prompt Engineering

**Project Description:** Developed an app that leverages Gemini AI to convert PDF study notes into custom multiple-choice quizzes, enhancing active learning and knowledge retention.

**Link (FE):** <https://github.com/nimashakaranahala/study-buddAI-FE>

**Link (BE):** <https://github.com/emerrafter1/study-buddAI-BE>

## Experience

### *Senior Quality Assurance Engineer | GetGround, London | Jan, 2023 - Oct, 2024*

- Developed and implemented QA strategies at the project level for the team, identifying and executing necessary QA activities such as automation, end-to-end, manual and exploratory testing
- Reviewed end-to-end test results on a daily basis, ensuring timely identification and resolution of issues from automated test failures
- Provided production support on a daily basis, acted as primary point of contact between the customer support and engineering teams, efficiently triaging, documenting, prioritising issues
- Analysed server logs, user sessions and the database to diagnose the root cause of bugs/defects
- Experienced working with third party integrations including Stripe, Modulr, CurrencyCloud, Onfido, WealthKernel and HubSpot
- Conducted API testing using Postman and Swagger to validate response data
- Collaborated with Product and UX Design teams to ensure comprehensive coverage of all user journeys and to define acceptance criteria during early-stage feature development.
- Managed junior colleagues by guiding test plan reviews, offering constructive feedback to enhance the quality and coverage of testing and overseeing the triaging, prioritisation and resolution of issues
- Led squad ceremonies, including daily stand-ups, release planning, refinement sessions
- Consistently demonstrated excellence by being the only individual in a company of 85 to achieve a maximum rating in the year-end review for 2023

### *Technology Consultant | First Derivatives, London | Sep, 2019 - Jan 2023*

During my time at First Derivatives I worked on several projects and held the following roles:

#### *QA Analyst | London Stock Exchange Group, London | Aug, 2021 - Jan 2023*

- Led the timely delivery of quality product releases based off stakeholders' specifications
- Created and executed test scenarios and created automated testing suites
- Collaborated development teams in order to identify the root-cause of bugs and defects based on troubleshooting and analysis of testing evidence
- Managed junior QAs through onboarding, training and knowledge-sharing sessions

#### *Support Analyst | Nephila, London | Mar, 2021 - Aug 2021*

- Supported users in the form of answering queries, resolving problems, assisting with bug fixes
- Identified areas of improvement within the application based on analysis off frequently seen issues
- Designed and created an FAQ site for users to quickly resolve their issues independently

#### *QA Analyst | Investec Wealth & Investment, London | Mar, 2020 - Mar 2021*

- Performed User Acceptance Testing based on client specifications
- Prepared and delivered thorough QA testing reports and presented findings to stakeholders
- Created user guides, release notes, and product documentation for business users on Confluence

## Education

Professional Diploma, UX Design | UX Design Institute | 2021 - 2022

M.A.I Biomedical Engineering | Trinity College Dublin | 2018 - 2019

B.A.I Biomedical Engineering | Trinity College Dublin | 2014 - 2018

B.A Mathematics | Trinity College Dublin | 2014 - 2018