

# Zac Moss

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I'm a full-stack software engineer and alumni of the Makers Academy July '22 cohort.

I write in **Javascript** (including **React** and **React Native**), **Ruby**, and **Python**.

## What have I been up to?

**Chitter:** A full-stack MERN social media web app. Users can create accounts, make and like posts, and tag other users.

*Tech stack: Javascript, React, Node.js, Express, Twilio SendGrid, MongoDB, Jest, React Testing Library, Supertest, BCrypt, HTML, CSS*

**Divvy:** A bill-splitting mobile app for calculating group meal costs in restaurants. Meal receipts can be itemised and meals assigned to group members by taking a photo of the receipt. A two week project from scratch to deployment on iOS.

*Tech stack: React Native, Javascript, Node.js, Expo, Realm, Taggun, Jest, CSS*

**AceBook:** A full-stack MCV social media web app. Users can make a profile and upload a profile photo, add friends, see and comment on their friends posts, and like posts and comments.

*Tech stack: Javascript, Node.js, MongoDB, Handlebars, Jest, Cypress, HTML, CSS*

**MakersBNB:** A full-stack MCV rental marketplace. Users can post spaces they own or manage or request to book them.

*Tech Stack: Ruby, Sinatra, Active Record, PostGres, RSpec, HTML, CSS*

## Experience

### Zac Moss Development (October '22 - present) - Freelance Full Stack Developer & Software Engineer

- Freelance software developer specialising in full stack web applications and automation using React, Javascript, and Python.
- Recently worked on a full-stack application using React, Node.js and Python to automate user interaction data collection with the Twitter API and Tweepy library of up to 2 million tweets a month.
- Utilised a Firestore NoSQL database for cloud data storage.
- Practiced TDD to ensure high-quality code by utilising Jest and Pytest frameworks.
- Successfully developed the front-end using React and Firebase Functions in Node.JS, creating a secure and user-friendly experience

### Makers Academy Bootcamp (July '22 - October '22) - 12 Week Intensive Coding Bootcamp

- Learned how to work as a software engineer, building exciting team projects using Agile processes.
- Developed applications in Ruby and Javascript, including with the React Native framework for mobile.
- Practiced TDD with testing frameworks such as RSpec, Jest, and Cypress.

### Elements SFX (Nov '20 to Oct '21) - Special Effects Trainee

- I worked as part of a special effects company based in SW London.
- Learned how to use many wood and metalwork tools and skills. Fully coded welder.
- Participated in different effects including fire and pyrotechnics, smoke and haze, and water and rain.
- Film and television sets I was involved in included Silent Witness and Sky's The Baby.

Some of the effects I worked on included:

- setting things on fire like a kitchen, a boxing ring, and a moped,
- dropping two tons of water on a caravan,
- covering a street in Hackney in fake snow,
- running a bath (genuinely an effect).

### Various Film and Television Productions (Oct '14 - December '19) - Assistant Director & Runner

As an assistant director it was my responsibility to keep the production on time to make sure days did not run into overtime. I was also responsible for managing groups of background artists in groups of anywhere between ten to several hundred people.

## Education

### University for the Creative Arts (September '08 - June '11)

Digital Film and Screen Arts - 2-2