SOFTWARE DEVELOPER

PROFILE

I am extremely resilient and self-motivated. Through my work I continued to develop my love of solving problems with logic and code. I have also seen the incredible productivity that comes from agile teamwork. I really appreciate feedback and understand the importance of giving feedback in teams.

SKILLS & ABILITIES

- **FRONT END:** JAVASCRIPT, TYPESCRIPT, REACT.JS, NEXT.JS, TAILWIND CSS

- **BACK END:** EXPRESS.JS, POSTGRESQL, MONGODB

- **TESTING:** UNIT TESTING WITH JEST AND SUPERTEST, END-TO-END WITH CYRESS

- **CI/CD:** NETLIFY, VERCEL AND HEROKU IN PERSONAL PROJECTS, JENKINS AND DOCKER IN PRODUCTION

- **VERSION CONTROL:** GIT, GITHUB AND GITLAB

- **POSTMAN:** TESTING API ROUTES AND DATA STRUCTURE

- **REST API** STRUCTURE

- **GRAPHQL:** TYPE SAFE QUERIES FOR EFFICIENT API CALLS

- **PYTHON:** ELEMENTARY LEVEL

- **SPANISH:** CONVERSATIONAL LEVEL

ALI MCGILL

EMPLOYMENT HISTORY

Software Developer
Certus technology Associates Limited (December 2022 to current)
- Professional software development within an agile team, utilizing Jira for project management and actively participating in daily stand-ups and two-week sprint cycles.
- Developing a new web-based application for laboratory management in **Next.js** with **TypeScript, Tailwind CSS**, **tRPC** and **GraphQL**, from initial planning, user stories and wireframes through to production level code.
- Upgrading legacy code to the new system architecture.
- Overseeing the migration from *Pages Router* to *App Router* in Next.js.
- Championing, creating and maintaining a **Turborepo** to leverage and effectively manage a monorepo housing all product code, fostering streamlined development processes and collaboration among team members.
- Implemented **Storybook** to develop a comprehensive **design system** and establish a centralized **component library**, thus enhancing efficiency and cross-team collaboration.
- Developed **TypeScript** reusable components, incorporating **Zod** and **react-hook-form** for creating user-friendly and easily maintainable reusable forms.
- Write and maintain functional end-to-end tests using **Cypress** with **Cucumber**, ensuring product reliability and adherence to functional requirements of deployed sites.
- Implemented **GitLab CI** for continuous integration, automating the build, test, and deployment processes to enhance team productivity.
- Leveraged **Docker** for seamless deployment, ensuring consistency and scalability across different environments.

Full Stack Developer
School of Code (April 2022 to August 2022)
- A rigorous 16-week full stack development bootcamp. The comprehensive curriculum encompassed **JavaScript**, **Node.js**, **HTML**, **CSS**, and **Agile** methodologies, alongside project planning and ideation skills.
- For 11 weeks, we engaged in **pair programming** and small **group collaborations**, delving into coding projects and honing our research and presentation abilities. This culminated in two major **full stack app** projects:
- a one-week endeavour focused on developing a **React.js** app with an **Express.js API** with a **PostgreSQL** database, aimed at improving the lives of bootcampers from the working brief;

EDUCATION

M.Ed. Applied Linguistics
2014 – 2017
Open University, UK

Trinity TESOL
2010
LT&D Training, Oxfordshire, UK

BA Archaeology 2:1
2002 – 2006
University of Wales; Lampeter, UK

VOLUNTEERING

2017 – 2019
I worked as a volunteer English /ESL teacher with a local charity in Exeter, The Olive Tree: English in Devon (St. Sidwell's Community Centre), working with Syrian refugee families in Exeter.

2021
Volunteer in **Christow Forest school**, Devon: Supporting the Forest school leader in setting up and supervising daily activities, **fire management** and **building a bug hotel**.

HOBBIES

I am a keen hiker. I love **wild camping** and **solo trekking**. September 2021, I completed a 4-day solo trek across Dartmoor National Park for a local charity. **Photos**

AliMcG   Alistair McGill   Ali McGill

References on Request

"**create something to make the life of a bootcamper easier**".
The app was a user updated tech library to save and upvote useful links, that had been shared by fellow bootcampers.
- a final four-week group project titled "Our House," where we leveraged **Next.js**, **Express.js**, and **MongoDB** to create a household organizer application hosted on **Vercel** and **Heroku**. I learnt how to use **MongoDB**, crafting CRUD routes in our API, and enhancing front-end functionality and aesthetics with expanded CSS proficiency.
Our team's collaborative efforts were guided by **agile** methodologies, including **daily stand-ups**, mid-day reviews, and end-of-day **retrospectives**, facilitated by tools like **Trello** for efficient **project management**.
-This experience not only allowed me to witness the incredible potential of **teamwork** in swiftly developing innovative solutions but also served as a testament to our collective capabilities in building robust applications within tight timelines.

EMPLOYMENT HISTORY- CONTINUED

English language Teacher
Learnlight (2013 to 2022) - Online
Interacting with professionals worldwide provided valuable insights into **global business dynamics** and **cultural diversity**. Through teaching, I honed essential skills such as **time management** and **adaptability**, ensuring effective lesson delivery while remaining **flexible**.

English language Teacher
Living Learning English (2020 – 2021) – Online
Delivered intensive English exam preparation courses for international students.

Host English language Teacher
InTuition Languages (April 2019 – September 2019)
Provided English lessons, activities, and excursions for students while hosting them in our home.

Summer School English language Teacher
Mountlands Langauge School (2013– September 2018)
Contributed to short English courses for teenagers as part of a dedicated **teaching team**.

English Teaching Assistant
Colegio San Agustín, Los Negrales, Spain (2011– 2012)
Utilized songs, games, and activities to teach English to primary school children in Spain.

Postman
Royal Mail Llandeilo, Wales (2008– 2010)
Self-reliance, **time management**, and **communication skills**.