

BEN CUTLER-AMES

SOFTWARE DEVELOPER

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PROFILE

I am a software developer looking for an intellectually stimulating career in a new industry after a decade as a Teacher of Mathematics, following a degree in Economics and Finance. I bring to the table my analytical and logical skills from my background in maths alongside strong interpersonal and a resilient work ethic from teaching. One of my biggest strengths are my communication skills developed in the classroom and from my postgraduate academic pursuits. I love a challenge and a problem to solve which is what drew me to software development as a career. After attending a few workshops, I knew that it was the right career for me. I thrive both in a team and independently and would enjoy a role that allows me to apply these skills.

TECHNICAL TRAINING

CodeClan: Professional Software Development

July–November 2022

The Professional Software Development course at CodeClan is an SQA accredited, 16-week intensive course, consisting of over 800 hours of hands-on coding. Through a balance of solo and group projects, instructor led code-alongs and pair-programming labs, the course aims to teach the fundamentals of software development.

Languages, Frameworks and Skills

- Python
- Javascript
- React
- Java
- HTML
- CSS
- Flask
- PostgreSQL
- MongoDB
- Node.js
- Express
- Mocha
- Cypress
- IntelliJ
- Spring
- JUnit
- REST API
- TDD
- OO Design
- GitHub

Systems and Software

- Windows, macOS and Linux (Kali – cybersecurity focus)
- Microsoft Office Specialist Expert Certification
- Live broadcast software – OBS, Singular.live, Blackmagic Designs ATEM Software Control

SOFTWARE DEVELOPMENT PROJECTS

Gym Management App | Solo Project – Built in 5 days

Python web app to allow a local gym to manage members, schedule classes and register members for individual classes. It is backed by a **PostgreSQL** database with full **CRUD** functionality and utilises **RESTful routes**. The front end is created with **HTML**, **CSS** and **Flask**. I targeted the app at the receptionist and focussed on the **UX** and an easily scalable workflow.

https://github.com/BenCutlerAmes/Gym_Management_App

Web Browser Game | Group Project – Built in 5 days

React app which allows players to play Top Trumps against other players or a computer. It uses **MongoDB** and **Node.JS** for the backend. My main responsibilities were the game logic and computer decision making. Another major aspect of the project was developing skills in collaborating in **GitHub** and implementing some **Agile** concepts such as morning stand-ups into our development process.

<https://github.com/BenCutlerAmes/Simpsons-Top-Trumps>

EMPLOYMENT HISTORY

Boarding Housemaster LVS Ascot

2019–2022

Responsibilities

- Ensuring a supportive atmosphere where students thrive
- Establishing and enforcing rules to ensure student safety, welfare, happiness, and achievement
- Full budgetary control
- Staff management, motivation, and assessment

Achievements

- Creation of digital tracking system for pupil rewards and sanctions.
- Development and implementation of new policy
- BSA Advanced Certificate

Director of Co-Curricular Akeley Wood School

2015–2017

Responsibilities

- Overseeing the “Enriched Curriculum”
- Diversification of the co-curricular offer
- Health and safety oversight

Achievements

- Project managed purchase, installation, and training of new software solution

Teacher of Mathematics Akeley Wood School / LVS Ascot

2012–2022

(Overlapping with other roles)

Responsibilities

- Designing educational activities that promoted physical, social and intellectual growth of students
- Communicate with parents about students’ progress and development
- Maintain regular communication with parents and staff regarding students’ progress

Achievements

- Achieved a value-added score of over 0.5 in every examination class across all years of my career
- Qualified as a mental health first aider

EDUCATION

PGCE – Secondary Mathematics

2011–2012

University of Exeter

Economics and Finance BA(Exon) – 2:1

2008–2011

University of Exeter

A-Levels

2006–2008

Licensed Vicutallers' School – Ascot

Mathematics, Music, and Philosophy and Ethics

VOUNTARY WORK

- COVID–19 Vaccinator
 - St Johns Ambulance
- Community First Responder
 - South Central Ambulance Service
- Volunteer Sri Lanka

INTERESTS & HOBBIES

- Musical Performance
 - Singing and Orchestral percussion
- Theatre
- Skiing
- Watersports
- Games – Board and video