

Fergus Beckerleg

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Profile

My background has provided me with strong **problem solving**, **interpersonal**, and **presentation** skills. I primarily work with **Java**, including **android**, and **Spring web APIs**. My track record shows I can grow and develop within a role. I am looking for a **software engineering** role for my next challenge. I am looking for **remote**, **hybrid** or **North East** based jobs.

Key Skills: **Programming** (Highly Competent), **Java** (Highly Competent), **Android** (Basic), **Spring Boot** (Basic), **R** (Competent), **Modeling Systems**(Competent), **GIS** (Competent)

Education

- Studied **BSc Archaeology** at **Bournemouth University**, with a placement year.
- **Physics, Computer Science** and **Archaeology** to **A-Level**, as well as **Maths** to **AS-Level**.
- **9 GCSEs A-B**

Employment

- **11/2022 - Casual Teacher** at **Gateshead College**.
 - While attending a bootcamp the college was impressed with my technical skills and background. I was recruited by the college to join the teaching team.
 - Since then I have been teaching the **Python** and **DevOps** components of a number of the college's bootcamps.
- **08/2021-07/2022 Program Officer** at **Altitude Foundation**.
 - **Altitude Foundation** is a north east based charity, focused on teaching disadvantaged young people about coding and tech careers.
 - During this role I have worked supporting the **delivery of the program**, going into schools and **teaching students, designing elements of the program** and **planning and delivering events**.
- **06/2019-12/2019 Archaeological Officer** at **Thames Valley Archaeological Services**.
 - To begin my placement year I worked as a commercial archaeologist.
 - This job has given me a wide range of transferable skills, including; working as a part of a **large team, planning and recording, detailed documentation** of work done, **analytic and problem solving skills**.
 - I completed my training period with high praise from my supervisors

Projects

- 09/22-10/22 **DevOps Bootcamp** with **Gateshead College**
 - I took part in a six week bootcamp, organized by Gateshead College and Sunderland Software City.
 - The bootcamp covered all aspects of DevOps, including the management/organizational side, and the technical side.
 - Specifically, **AWS, Terraform, Docker and kubernetes**, were covered in detail.
- 01/2020-04/2020 **Research Placement** with **Bournemouth University**
 - During my placement year I worked on a **cellular automata based model**, to be used for archaeological **research**.
 - To begin with I had to teach myself enough **R** to develop my project.
 - The model tracked the **dispersal** and **logistic growth of a population**, through a **diverse fitness landscape**, that changed over time.
 - I also experimented with a range of **optimization and data display techniques** that R offers as a part of this project.
- **MyQuizApp**
 - During my **CS A level**, I went above and beyond for my project, with an **android application**. I independently developed the **Java** and **Android skills** I needed
 - The app is a simple quiz game, initially based on a local **MySQL database**.
 - I have continued developing this app, and it now operates using a **Spring Boot** web server.

Additional Project Work

- I have experience in the languages **R, Java, Visual Basic** and **Python**. I also have some experience with **databases** and **GIS programs**.
- During the University field school I was involved in data entry and some redesign of the site **database**.
- Over a number of summers I have participated in Professor Tim Darvil's summer excavation where I have played an important role in the **surveying** of the long barrow we were excavating.
- GRAMPUS placement, Bulgarian Necropolis excavation.
 - During my degree I took part in an excavation on a Roman necropolis in Bulgaria. This was an extra curricular dig that **I applied and was selected for myself**. During the excavation I was involved in the excavation of many skeletons, one of which I excavated myself.