

Peter McCreadie

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Enthusiastic, initiative-taking software developer who enjoys building software solutions for real world problems. With over twelve years of experience in the dental profession, I am looking to follow my true aspirations and transition to a career in software development. This experience has given me a unique perspective on software design and has helped me develop the skills to work effectively, confidently, and competently within a team environment.

Education

The Open University

Bachelor of Science in Computing and IT (Software)

Expected classification: **First-class**

Expected Graduation: September 2022

The University of Glasgow

Bachelor of Dental Surgery (BDS)

Graduation: July 2015

Relevant Skills: Java, Python, HTML, SQL (*Familiar*): JavaScript

Projects

- **Labwork Locator** [ongoing dissertation project]
 - Development of a web based dental prosthesis tracking application, designed for use within a general dental practice setting. Formal system requirements obtained through consultation with domain experts. Developed iteratively and incrementally using the **Unified Process** lifecycle.
 - Written in **Java 11** using the **Spring Boot**, **JPA** and **hibernate**. Frontend developed using **JavaScript**, **HTML**, **CSS**, and implementation of the **Thymeleaf** template engine. Persistent data stored within an **SQL** database.
- **Mobile sales application**
 - Development of a hybrid mobile application designed to allow customers to complete online orders. Written in **JavaScript** and **HTML** using the Apache **Cordova** framework. Application interacts with remote PHP server through a **REST API**.
- **Top trumps**
 - Worked within an agile team to develop a top trumps game written in **Java 8**, **JavaScript**, and **HTML**. The project was managed using the **SCRUM** framework and completed over two sprints. My responsibilities included requirements engineering, interface design and implementation of application controller code.
- **BestBrew coffee reviews**
 - Worked within a team to develop a coffee shop review service. My responsibilities included implementation of the user interface and the business logic.
 - Written in **Python** using the **Django** framework. The frontend was written in **HTML** and **JavaScript**.

Professional Experience

Associate Dentist

Peter McCreadie BDS

August 2016 – February 2022

Self-employed associate dentist operating out of two dental practices within Scotland. Responsible for providing oral care to over three thousand patients, offering a range of dental services including preventative, reconstructive and cosmetic procedures. This involved:

- Providing education to patients on oral healthcare and oral conditions
- Effectively communicating treatment options, plans and procedures to patients
- Examination, diagnosis, and treatment of dental and oral conditions
- Working within a multidisciplinary team to provide complex treatment plans for patients
- Accountancy responsibilities including management of company assets, billing, expenses, invoicing, and submission of annual tax returns.
- Continuing professional development in line with standards set and maintained by professional regulator, the General dental council

Dental Vocational trainee ***NHS Education for Scotland*** ***August 2015 – August 2016***

Provided dental services to the public under the guidance of a qualified dental trainer and practitioner.
This involved:

- Study and successful completion of the 12-month dental vocational training programme
- Presentation of patient case studies to fellow students and dental professionals
- Successful completion of all required skill competency assessments
- Collaboration with specialists in medicine and dentistry, allowing provision of a range of dental treatments to patients under my care

Additional learning

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| • BAE – OU Capture the Flag event | Feb 2022 |
| • Cloud security [Cisco] | July 2022 |
| • Django 4 and Python Full-stack Developer Masterclass [Udemy course] | July 2022 |
| • Java Spring Framework 5 [Udemy course] | Jun 2022 |
| • AWS Cloud practitioner Essentials [AWS] | Jan 2022 |
| • Linux Skills Development [Cisco] | Sept 2021 |
| • Communication for Network Defense [Cisco] | Ongoing |
| • Java Programming Masterclass [Udemy course] | Ongoing |
| • User experience design essentials [Udemy course] | Ongoing |