

Pavithiran Shanmugakani

Software Consultant

(M) 07540 761256

(E) pavith1980@gmail.com

(W) <https://pavithiranshanmugakani.co.uk/>

(GH) <https://github.com/pavithiranShanmugakani/> (Please email to for access)

4/10 Robertson Gait

Edinburgh

EH11 1HJ

Problem solver and a strong communicator, eager to prove my talent in a challenging and fast paced work environment. Motivated to advance and expand my skill set through targeted mentorship and challenging projects.

CODING TRAINEESHIP

Mar 2021 – Mar 2022

IT Career Switch Ltd

Coding Traineeship – Full stack developer

1-year program

During the traineeship I had to demonstrate a very competent level of the following programming languages and technical skills

- OOP (with Java and C#)
- HTML5, CSS3, JavaScript
- PHP, SQL, React, jQuery
- Java, Python, C#, Node.js
- Command Line Git, GitHub
- Remote API access

I have my **Microsoft 98-383: Introduction to Programming Using HTML and CSS** certification. More information on this certification can be found at: <https://docs.microsoft.com/en-us/learn/certifications/exams/98-383>

ADDITIONAL TECHNOLOGIES:

- Bootstrap, AJAX, cURL, Apache XAMPP, MySQL, Postgress, Express.js, Restful APIs, Bash, VS Code, Mobile-First UI/UX Dev

DEVELOPMENT EXPERIENCE:

Below are the two briefs of development projects I completed with IT Career Switch which can be found in my bio: <https://pavithiranshanmugakani.co.uk/>

Portfolio Project #1: “Gazetteer”

The specification was to reply to a website specification for a map-based app to provide information on countries – with a focus on a “mobile-first” development. Preferably using a framework, to then develop HTML, CSS and JavaScript with JQuery modules that uses PHP server-based components to source data from third-party APIs (Geonames, OpenWeather). An Object-Oriented approach is used where necessary. The solution is assessed on its delivery to specification, functionality, and usability.

Portfolio Project #2: “Company Directory”

A more rigorous reply to this specification was required as a user requirements document was needed to be prepared which, when signed off, triggers the release of SQL allowing to develop a “mobile first” application to maintain a company personnel database (MySQL) with PHP server. Sign-off is only achieved upon the student supplying an independently witnessed document providing confirmation of the system’s ability to perform error-free.

VOLUNTEERING ACTIVITIES

June 2023-present

Scottish Tech Army

Working on technical requirements for internal and charity organisations while doing my part to the community and gaining hands on experience in web development.

CAREER HISTORY:

May 2022 – May 2023

POSITION HELD:

FDM Group

Software Consultant

Worked as Apex Developer in Sky Telecommunication

- Delivered customer service by creating Oracle Apex reports using SQL queries and JavaScript.
- Collaborated with team members to refine the requirements to deliver the report to its required specification.
- Was part of an agile team with regular scrum meetings with workloads organized in KANBAN.
- Technologies used: Apex, PL/SQL, JavaScript, JIRA.

FDM trainee- as part of the training I have completed the following courses.

- Object Oriented Programming in Java
- SQL
- Unix
- JPA data access

Jan 2010 – Aug 2019

POSITION HELD:

Edinburgh Napier University, UK

Lecturer

- Excellent experience in facilitating 'Design Briefs' within the organisation with a particular knack for facilitating smooth conversation between staff, students, and the industrial liaisons.
- Provided design solutions to industrial partners based on the design brief.
- Prepared technical reports for engineering analysis with a particular emphasis on maintaining the academic standards.
- Used good modelling practices in engineering design including the use of various model validation techniques.
- Involved in student projects with automotive background such as frame analysis of dune buggy/formula student and various dynamic analysis of suspensions/valve systems.
- Responsible for the teaching and tutorial activities for undergraduate and post graduate programs in the university.

Jan 2007 – Aug 2009

POSITION HELD:

Guha Industries, Chennai, India

Design Engineer

- In charge of a small team of draftsmen that produced manufacturing drawings of the designed components generated by the design team
- Responsible for programming the Siemens PLC controller where the operation complied with the working design formulated by Thermal Design Engineers
- Part of the Failure Mode and Effects Analysis (FMEA) Team

Aug 2002 – Aug 2004

POSITION HELD:

Proteck Machinery, Chennai, India

Junior Design Engineer

- Responsible for designing components and systems for the requirements set by 'design decisions' made during conferences working in a mixed group of Design Engineers
- Prepared engineering drawings for components and large assemblies which conform to the requirements of senior engineers.
- Followed through the manufacturing process to make constant updates in the design, as necessary.

EDUCATION:

- **Edinburgh Napier University** - Fellow of the Higher Education Academy - **2018 – 2019**
- **Edinburgh Napier University** - MSc Information Technology (Engineering Design) - **2004 – 2005**
- **M.N.M.JEC – India** - BEng Mechanical Engineering - **1998 – 2002**

ADDITIONAL INFORMATION:

- UK passport – Right to work in UK.
- Full driving licence.
- Can start immediately.
- Willing to relocate.